PUBLIC HEALTH REPORTS

VOL. 32

SEPTEMBER 21, 1917

No. 38

EXTRA CANTONMENT ZONE REGULATIONS.

REGULATIONS GOVERNING THE SALE OF FOODSTUFFS IN THE ZONE AROUND CAMP DIX, WRIGHTSTOWN, N. J.

On September 4, 1917, the State Board of Health of New Jersey adopted the following regulations, which constitute Chapter VII of the State Sanitary Code of New Jersey.

REGULATION 1.—Zone around Wrightstown Cantonment defined.—The provisions of the following regulations shall apply to all premises which lie within a distance of 7 miles in a direct line from the Pemberton-Hightstown Railroad station at Wrightstown and to all persons who conduct any of the businesses referred to in regulation 2 of this chapter within such distance, exclusive of the land included in the National Army cantonment known as Camp Dix and located in Burlington County.

REGULATION 2.—Permits required to sell food and beverages.—No person shall establish or conduct any hotel, boarding house, restaurant or eating house, lunch counter, stand, vehicle, store, delicatessen, or other place of business for the sale or distribution of food or drink intended for human consumption on the premises unless such person shall first have secured from the director of health or from his duly authorized representative a written permit so to do; and no person, without first having secured a permit as herein provided, shall establish or conduct any grocery store, market, or other place of business for the sale or distribution of any food or drink which is prepared for human consumption without further cooking unless such food or drink is received, stored, sold, and distributed in sealed packages or containers which will effectually protect such food or drink from contamination. Such permit, unless revoked, shall be good for one year and shall be conspicuously displayed in the place of business for which it was issued. Permits issued under these regulations are not transferable.

REGULATION 3.—Permits only issued after laws and regulations complied with.—No permit shall be issued under regulation 2 for the conduct of any of the businesses referred to in said regulation unless the building, room, stand, vehicle, or place in which it is proposed to conduct such business, together with the yard and appurtenances thereto, have been made to conform in all respects to the requirements of the existing State laws relating to the conduct of such business and to the provisions of regulations 1, 2, 3, 4, 5, and 6 of Chapter I of the State Sanitary Code, and to all rules and regulations of the State department of health; provided, however, in the case of businesses already established at the time these regulations become effective, the persons conducting such businesses shall, within 10 days thereafter, secure a permit as provided for in regulation 2.

REGULATION 4.—Permits revocable for cause.—The violation of any of the provisions of the existing State laws or of any of the provisions of regulations 1, 2, 3, 4, 5, and 6 of Chapter I of the State Sanitary Code, or of any rule or regulation of the State depart-

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(1505)

ment of health, by any person holding a permit issued under authority contained in these regulations, shall be deemed sufficient cause for the revocation of such permit by the director of health or his duly authorized representative.

REGULATION 5.—The regulations contained in Chapter VII of the State Sanitary

Code shall take effect on the 4th day of September, 1917.

THE NOTIFIABLE DISEASES.

PREVALENCE DURING 1916 IN STATES.

ANTHRAX, DIPHTHERIA, DENGUE, MALARIA, MEASLES, MENINGITIS, POLIOMYELITIS, RABIES IN MAN, ROCKY MOUNTAIN SPOTTED FEVER, SCARLET FEVER, SEPTIC SORE THROAT, SMALLPOX, TUBERCULOSIS (PULMONARY), TUBERCULOSIS (ALL FORMS), TYPHOID FEVER, AND TYPHUS FEVER—CASES AND DEATHS REPORTED, INDICATED CASE RATES PER 1,000 POPULATION, INDICATED FATALITY RATES PER 100 CASES, AND INDICATED MORTALITY RATES OF DIPHTHERIA, MEASLES, SCARLET FEVER, TUBERCULOSIS (PULMONARY), TUBERCULOSIS (ALL FORMS), AND TYPHOID FEVER, PER 1,000 POPULATION.

Pursuant to the practice that has been carried out for a number of years schedules were sent on January 15, 1917, to the health officers of the several States. The data of the prevalence of disease contained in the following tables have been compiled from the schedules returned by the several State health officers and registrars. While not all of the States returned the schedules, the failure to do so was perhaps in all instances due to the fact that the necessary data were not available.

The absence of figures in the "deaths" column in the tables may mean that no deaths occurred or that the data as to deaths were not furnished by the State authorities having jurisdiction.

The populations used in computing the case rates were those esti-

mated by the Bureau of the Census as of July 1, 1916.

It will be noted that some of the States are apparently more successful in obtaining reports of the occurrence of the notifiable diseases than are others. This may be due to the greater activity of their health departments or to a more intelligent interest in the public welfare on the part of their practicing physicians. The effective grasp of the control of disease possessed by the health departments in certain States is indicated in a number of instances by the large numbers of cases reported as compared with the numbers of deaths registered from the same causes.

The manner of collecting data of the prevalence of disease in Mississippi and Virginia differs from that employed in the other States, and the results, though included in the tables which follow, can not be considered as strictly comparable with those of the other States. This difference is brought out, for example, by the large number of cases of malaria reported in Mississippi and Virginia. Malaria is probably no more prevalent in these States than it is in Louisiana and South Carolina. In Mississippi the regulations specify

that physicians shall report to the county health officer on the first day of each month the number of cases of the notifiable diseases which occurred in their practices during the preceding month. In Virginia the reports are made in the same way. Presumably these reports are made out in many instances by the physicians from memory and not from case records. In Mississippi the regulations specify that physicians shall also report to the county health officers within 24 hours cases of diphtheria, epidemic cerebrospinal menugitis, acute poliomyelitis, rabies, smallpox, and typhoid fever. These immediate reports are in addition to the monthly reports. Tuberculosis is required by law to be reported within seven days to the State board of health and ophthalmia neonatorum within six hours to the local health officers. The records of these diseases in Mississippi are probably, therefore, comparable with data for the other States.

In relation to Rocky Mountain spotted fever, a special survey was made by Surg. Fricks, who reported cases, located by States, during the calendar year 1916 as follows: California 11, Colorado 5, Idaho 151, Montana 19, Nevada 20, Oregon 26, Utah 29, Washington 3, and Wyoming 26, making a total of 290 cases in the far Western and Northwestern States.

The tables ² contain data furnished by and relating to the following States:

Alabama.	Louisiana.	Ohio.
Arizona.	Maine.	Oregon.
California.	Maryland.	Pennsylvania.
Colorado.	Massachusetts.	Rhode Island.
Connecticut.	Michigan.	South Carolina
District of Columbia.	Minnesota.	Vermont.
Hawaii.	Mississippi.	Virginia.
Indiana.	Montana.	Washington.
Iowa.	New Jersey.	Wisconsin.
Kansas.	New York.	Wyoming.

DENGUE.

A case of dengue was reported during the year in Arizona, 5 cases were reported in Hawaii, and 969 cases in Texas. The Texas outbreak occurred during the last five months of the year, reaching its maximum during September.

¹ The cases reported in the schedules of the States will be found in the table on page 1519.

² In studying these tables it should be kept in mind that a relatively large number of reported cases of a communicable disease, as indicated by a high case rate (and more especially when accompanied by a relatively small number of deaths; as indicated by a low fatality rate), usually means that the health department of that State is active and that the cases of the disease are being properly reported by the practicing physicians. It does not necessarily mean that the disease is more prevalent in that State than in other States. A high fatality rate may mean that the disease was unusually virulent in a State, that the physicians did not treat the disease in that State with the success usual elsewhere, or that the practicing physicians did not report all of their cases. On the other hand, an unusually low fatality rate may be due to the fact that the disease in the State was unusually mild, that the physicians treated it with unusual success, that the practicing physicians reported their cases satisfactorily, or that the registration of de-th was incomplete, or the assignment of the causes of death inaccurate.

	Estimated		January.	Feb	February.	March	eh.	April.	Ti-	May.		June.	100	J.	July.
	tion July 1, 1916.	y 1, Cases.	s. Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deatins.	Cases. L	Deaths.	Cases.	Deaths.	Cases.	Deaths.
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Kansas Louisiana Massachusetts	1,829,545 1,829,130 3,719,156	30	8	64		6		-		0100		10			
New Jersey New York Ohio Pennsylvania	2, 948, 017 10, 273, 375 5, 150, 356 8, 522, 017	117 175 156 171		7 1	69			eq.		-1 9		2		3	
	August	ust.	Septe	September.	Oct	October.	No	November.	De	December.	- 2	Total	-	Cases	to best
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Is. Cases.	. Deaths	1 .		deaths, 1916.	per 1,000 inhabit- ants.	fatality rate per 100 cases.
California	6		-		-							12-	-	0.00	8,33
Kansas Louislana Massachusetts	61		-		9			1		2 1	-	448	-8	805 805 805	
New Jersey New York Ohio									1	CI		121	4 (6)	.002	26. 67
Pennsylvania			3		3			9				31	0	.004	

1 States in which no cases of this disease were reported are not included in this table.

* Data as to deaths not furnished.

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	tion July 1, 1916.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
labama	2,332	88	21	31	10	30	2	28	2	200	1	30	1	3.4	7
alifornia	2,938,654	304	24	265	23	378	27	237	27.	353	33	248	27.	183	26
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Contana	459.	91	- 6	-		16	981	82	© (N	28	- 63	15	4 83	550	9
low York	10, 273, 375	2,165	192	1,867	164	1,975	171	1,688	151	2,152	165	1,992	31	380	188
Phio	5, 150,	751		685		594		410		392		337	:	282	
enns/Ivania	8,522,017	1,399	:	1,221	•	1,070	•	888		808		813	:	7512	
outh Carolina	1,625,	81	E to	828	13+	39	22.20	27	œ :	272	1-	30 x	6	18.83	rU 60
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Vashington	2, 192,	330		170	150	129	=	97	0	90 6			oc :	64	
Visconsin		172	13	8	17	144	14	157	* 83	114	n EI	98	12	14	200
North State of the	113,	•		-	-	7	1	-		1		63		23	:

DIPTHERIA-Continued.

	August.	ust.	September.	mper.	October.	ber.	November.	nper.	December.	nber.			Cases	Indicated	Indicated
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Total cases, 1916.	Tc.al deaths, 1916.	reported per 1,000 inhabit- ants.		
Alabama	3.	19	147	34	133	31	16	88	70	26	752	188	0.322	25.00	0.081
California	197	21	154	61	159	30	327	91	286	27	3,091	290	1.052	9.38	060
Connecticut	72	10	158	13	167	.61	176	25	1771	.91	1,870	181	1.503	10.00	.150
District of Columbia. Hawaii Indiana. Iowa. Kansas.	72522 88	22.02	\$588.64 40888.64	2 5 471	55 10 10 88 88 88 88	84228	8673 ° 8	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	60 13 455 172	40802	3,190 1,647 1,647	384 384 193 193 193 193 193 193 193 193 193 193	1.778 714 1.132 214 .900	22.73 22.73 20.17 11.84	. 091 162 136 136 043 043
Louisiana Maine Maryland Massachusetts Michigan	92 480 345 345	28 28 28	825228	u 1 88	212 255 295 707	2 238	8 ± 208 57	528 s	203 782 782 675	s 15 66 52 52	1,046 455 1,884 1,282 520,520	(c) 166 557 486	. 573 . 589 1. 382 1. 958 1. 807	4 %1.% 8 252	.028 .122 .150
Minnesota. Mississippi Montana. New Jersey. New York.	106 161 828 828	r::-18€	852 25 25 25 25 25 25 25 25 25 25 25 25 2	r-2288	22 213 24 24 24 24 24 24 24 24 24 24 24 24 24	#8-8£	1,466 1,466 1,408	38.085	185 93 27 27 458 1,603	87 × 55 2	2,345 1,096 226 5,580 19,133	170 141 33 1,515	1. 029 622 1. 893 1. 862	7.1.28 1.08 1.09 1.09 1.09	.072 .072 .072 .151
Ohio. Oregon Pennsylvania Rhode Island. South Carolina.	362 10 955 114	5.4	88 21,1 22,24 48,4	1 2	1,090 1,655 1,655 274	2 = 2	1,243 1,813 1,122 107	2 s	52 1,597 28 22 23	1 22	7,686 190 14,191 1,073 1,164	31,633 11,633 79	1.482 1.665 1.747 1.747	7.1.31 11.51 6.78	. 017 . 192 . 203 . 2049
Vermont Virginia Washington Wisconsin Wyoming	190 190 259 259	011-m20	855 42 158	ngng-	\$ 5 5 5 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6	-408	158 th 185	24%	2882	.80%-	2,906 389 1,981	2282	1.226	33.955 34.955	

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	tion July 1, 1916.	1, Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths. C	Cases. D	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama. California	2, 332, 60	15	10	18	99	89	8-	22	97	118	800	116	200	1185	830
Kansas Louisiana Maryland Massachusetts	1,829,545 1,829,130 1,362,807 3,719,156	10 CH	119	28	13	10 10	91	10.	25 -c	457		150 7	-=	27.0	ut u
Minnesota Mississippi New Jersey	2, 279, 603 1, 951, 674 2, 948, 017	4,28	58	4, 272	ន	5,380	72	6,543	46	9,485	19	12,878	01	21,	183
Ohio Pennsylvania South Carolina Virginia	5, 150,356 8,522,017 1,625,475 2,192,019	66 5 9 329	603	255	*	348	(0) (0)	132	000	38	-10	1 42 956	80	3 141 5 3 882 982	182
	August	ist.	September	nber.	Oct	October.	Nove	November.		December.		Total	Total	Cases	Indicated
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	. Cases.	-	Deaths.	cases, 1916.	deaths, 1916.	per 1,000 inhabit- ants.	rate per 100 cases.
Alabama	703	28.53	787 209	151	416	125	173 85	200	600	88	200	2,646	617	1.134	23. 32 5. 62
Kansas. Louisiana.	618	113	12	88.5	12 96	10	9	82		35	i i i	1,448	522	.046	29.76 36.40
Maryland	128		50	-	52 90	- 5	22		11	60 🖛		121	10	.026	7.28
Minnesota Mississippi New Jersey.	33,689	322	28,071	333	17,639	186	9,678	823	.5,	746	1 4	158, 751	1,426	81.341	3.14
Ohio Pennsylvania. South Carolina	2,069	12.50	311 2,118	34	121 1,079	74	. 125 630	30		30 30 376	19	18 25 948 10, 422	(*) 3 15 312 150	. 003 . 003 . 583 4. 755	60.00 32.91 1.44

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	Estimated	Jant	January.	February.	uary.	March.	reb.	April.	ŧ	×	May.	Ja.	June.	Ju	July.
	tion July 1, 1916.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama Arizona California Colorado Comecticut	2, 332, 608 255, 544 2, 935, 654 962, 060	6 1 252 137 388	7 10	888 308 308	1 6 8	71126	4 18	840 1.662	9 88	1, 120 2,074	් ග සූ	35 293 534 534	6 6	22 22 23 23 25 25 25 25 25 25 25 25 25 25 25 25 25	16: 7:
District of Columbia. Hawaii. Indiana. Iowa.	1, 829, 816, 829, 829, 829, 829, 829, 829, 829, 829	75 350 817	822	126 268 1,712 1,501	2282	332 163 3, 456 3, 023	8838	4, 463 330 3,668	-2553	493 5,035 3,036	1188 33 31	605 177 4,044 1,146		381 781 781	842848
Louisiana. Maine Maryland Massachusetts Mehigan	1,829,130 772,489 1,362,807 3,719,156 3,054,854	1,052 1,866 1,866	-82	1. 1888	- ∞28	2,8,2, 2,399 2,475 2,899 2,599	2 818	2, 4, 45 2, 4, 169 11, 169 11, 169	222	199 10 2, 339 2, 246	1 12 66 65	151 23 1,844 4,187 1,356	1 188	2,670 2,670 396	825
Minnesota Mississippi Montana New Jersey New York	2, 279, 603 1, 951, 674 459, 494 2, 948, 017	692 36 73 6.412	81 8	1,366 51 242 7,344	8 8	2,847	E	1, 739 252 757	8 6 8	1,223 149 622 11,997	36	892 115 363 9,537	2 2 2	21.5 88 88 88 7.21.2	∞ ≈ = = 5
Ohio Oregon Pennsylvania Rhode Island South Carolina	5,150, 8,522, 614, 1,625,	4,016 32 10,201 250 5		6, 722 13, 714 198	11	11.478 11.43 13.43 13.43 14.43 14.43	8	13,213 20,358 395 395	- 3°	9, 9, 18, 9, 1 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	N _e	4, 325 147 7, 753 217 29	2 2 2	- 6	
Vermont Virginia Washington Wisconsin	363 699 2, 192, 019 1, 534, 221 2, 500, 350 179, 559	1,183 1,183 90 2,766 9	110	1,333	9 8	25.85. 25.85. 25.85. 25.85. 25.85.	\$081	5, 436 82, 62, 5, 436 83, 83, 83, 83, 83, 83, 83, 83, 83, 83,	.4≊234 -	6,838 3,673 2,026	4208	3, 236 1,536 1,588	*502	2588821 258821	48.0°

3 Not reported by months.

	Aug	gust.	September.	mber.	October.	ber.	November.	mber.	December.	nber.			Cases	Indicated	Indicated
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Total cases. 1916.	Total deaths, 1916.	reported per 1,000 inhabit- ants.	fatality rate per 106 cases.	rate per annum per 1,000 inhabit- ants.
ama. nna. ornia. sido.	24 106 29 139	2 1	10 175 115 36	1 1 2	8-88 8-88		18 80 80 80 80 80 80 80 80 80 80 80 80 80	1 4 8	15.280 280 280 280 280	1 1 9	219 4, 268 4, 148 10, 426	(1) 41 (2) 41 (3) 439	0.094 .368 1.452 4.312 8.378	1.37	0.001
iet of Columbia	138 64		118 3	8	282 282 87	8 7	911 61	ice-	1,258	ika est eo	2, 642 1, 614 22, 765 13, 836	218 218 158	7. 259 7. 481 8. 082 7. 563	8.12 9.12 1.14	900 900 900 900 900
siana. 6 Iland. achusetts igan.	82222		64 155 181 181 115	nge.	198 174 186 186 186 186 186 186 186 186 186 186	8 H00	28543 28543	1 200	2,460 2388 1,058 1,058 1,058	2 22 0	4, 087 1, 342 14, 670 25, 460 10, 744	(C) 13 106 388 388	2. 207 1. 737 10. 765 6. 846 3. 517	8 528	.007 .078 .104
esota ssippi ana Jersey York	39 39 40 1,073	• 68	## ## ## ## ## ## ## ## ## ## ## ## ##	<u>s</u>	155 123 195	7	# 25 E	2 - 1	202 516 118 1,832	8 1 8	3, 300 1, 691 3, 300 67, 010	¥2 = ±2 = ±2 = ±2 = ±2 = ±2 = ±2 = ±2 =	4.159 .866 7.182 6.523	2 2 2 3 3 4 3 8	111. 700. 711. 980.
oon ssylvania de Island h Carolina	261 1,001 171	* * * * * * * * * * * * * * * * * * *	33.25.25 25.25.25	-	323888		200,1 241,01 251,531	8>	1,398 3,857 2,857 1,176	n <u>a</u> -	23, 966 1, 790 2, 424 1, 850 1, 850	31.467 134 134 255	10.478 2.143 11.667 3.472	1.58 6.28 1.34	
nont inia hington onsin	168 188 189 1	-228-	161 210 177 122 15	59+10 48	271 778 621,1 671 81	∞ cs	2, 010 2, 010 167 67	# = 55 # 1	1,544 2,549 190 327	325	2, 548 25, 964 16, 924 16, 153	83822	7.006 11.845 11.031 6.460 3.074	85.1 86.1 88.	.080

Data se to deaths not furnished.

2 The health officer states that cases are known not to be completely reported.

ARE YOU SAVING Your Money to Invest in the SECOND LIBERTY Noney Week by Week b

MENINGITIS (EPIDEMIC CEREBROSPINAL).

	Estimated	January.	ary.	February.	lary.	Ma	March.	April.	Ti.	May.	ıy.	June.	De.	July.	y.
	tion July 1, 1916.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama California		100	1011	624	60	200	2	∞ eq	4	815	9	-61	,	80	
Connecticut. District of Columbia.	1,244,479 363,980	60 64	6161	61-	H	6	63	17	က	13	63	101	-	7	œ
Hawaii Indiana Iowa Kansa Louisiana	2, S16, 741 2, S26, 321 1, S29, 345 1, S29, 545 1, S29, 130	84498	191 4	3311	8-1 4	401410	@ so m		∞r- +	8848	1881	5	C1 C1 4	21-21	011001
Maine Maryland. Massachusetts Minnesota. Misstssippi	772, 489 1, 362, 807 3, 719, 156 2, 279, 603 1, 951, 674	9 14 1	01	16 5 6		121-2	510	13	13	11 7 4	-=+	10 10 10	171	2010	e0 00 e0
Montana New York Ohio Oregon Pennsylvania	459, 494 10, 273, 375 5, 150, 356 835, 741 8, 522, 017	18 8 8	84	11 11	13.6	38 19	* @	861 88	2.2	39 11	34.	4 5 11	35	37 18 10	25
Rhode Island. South Carolina Vermont. Virginia. Weshington. Wisconsin.	014, 315 1, 625, 475 363, 699 2, 192, 019 1, 534, 221 2, 500, 350 179, 559	1 4 01	1-848		99-244-	1 1 9	614 € 4 € 1	84 Busu	- s 88 s 82	8 21	ణ బ్లాల్ల	20 E E E	£ 45° 71	-8 gao	24.8

1 States in which no cases of this disease were reported are not included in this table.

	Ang	August.	September.	nber.	October	ober.	November	nber.	December.	aber.	Total	Total	Cases	Indicated
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	cases, 1916.	deaths, 1916.	per 1,000 inhabit- ants.	fatality rate per 100 cases.
Alabama California Colorado Comeeticut	80-0	63 -	88 8-		mm +	- 80	10 m =	61	tolonee		\$20Er-	(32	0.019	21.2 22.22 23.22 24.22 24.22
Hawaii Indiana Iowa Kansas Louisiana	NH 8	010100 01	10 10	909 01		-9 -	6461	-+ 6			18128	8 52 35 35 (1)	000 000 000 000 000 000	\$1.79
Maine Maryland Masschulsetts Minnesota Mississippi	1-910	41001	-222	618269	821-8	128	3.70	=======================================	61 S X	800	-12gg	(E) 14 132 24 24	982	31.82 88.00 52.17
Montana New York Ohio Oregon Pennsylvania	25 65 48	23.01	22. 52	502	-32 x	8.9	2271	28 -	-222-2	10 12	327 152 152 162 162	60 284 3 1	. 022 . 032 . 030 . 030	88.88 88.88
Rhode Island South Carolina Vermont Virginia Washin crom Washin crom Wyoming	2- 5250		9 9 9	-24 53-15	N- 0-0	20 Z	SI 10 10 SI	- 1-32	-2 = 2-	**-###	22, 22, 11, 10, 10, 10, 10, 10, 10, 10, 10, 10	234232	.034 .019 .010 .070	57.14

2 The health officer states that cases are known not to be completely reported.

1 Data as to deaths not furnished.

POLIOMYELITIS (ACUTE INFECTIOUS).

	Estimated popula-	Jant	January.	February.	nary.	March.	reh.	April.	Ŧ.	May.	ıy.	June.	.90	July.	ly.
	tion July 1, 1916.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
labama	2,332,	C4 -	64	-	-		64	-		60	8	00	9	17.	-
rizona glifornia olorado. omiecticut.	2,938,654 2,938,654 962,060 1,244,479		61	9	5 -			. 2		8 -	-	4-4	1 2	-512-3	1 37
District of Columbiandiana	363, 2,816,		1	60	-6	-	21				-		2	325 x	H:04
ouisiana		∞-	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-2	-	-04		10	64	60		6160	-	218	460
daine daryland dassachusetts dichigan dimesota	1,362,807 3,719,156 3,034,854	01040	10 01 4		988	011000-	ଗଟାବା	6161	8	440	87-88	01	-61	10 10 10 10 10 10 10 10 10 10 10 10 10 1	2700
Mississippl	1,951,	, 4		. =	•	. 9		15	. 64	36	0 01	57	-	62	- 016
Montana New Jersey New York Ohio	2, 948, 017 10, 273, 375 5, 150, 356	02	5	90		-1010		-69	100	920	9	345	25	4,054 100	182 895
Oregon. Pennsylvania. South Carolina.	835, 741 8, 522, 017 1, 625, 475	50-10				-8		-61			6	6	8	120	
Virginia	2, 192,			7 =	9 61	1		12	64	88	es es	- =	-	22	ars
Washington Wisconsin Wyoming	- CV	5	67		1				0101		64		+	20.	

1 States in which no cases of this disease were reported are not included in this table.

	ηV	August.	September.	mber.	Octo	October.	November.	uber.	Dece	December.	Total	Total	Cases	Indicated
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	cases, 1916.	deaths, 1916.	per 1,000 inhabit- ants.	fatality rate per 100 cases.
labama.		17	13	-	000	2	-	64	-	2	186	15	0.080	27.42
alifornia	-61		-1.	*	753	89	25	*	21	5	132	9 39	.045	19.70
onorado		66	374	29	6.	24	30	9		61	951	235		24.71
olumbia			228	13	10 10 8	01000	16	97	101	64-	207	985	.073	15.38 24.15
ansas outstana	880	31	822	100	7978	2000	d oc 13	c 61	0000	-10-	103	882	.056	23.25
8 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			103	35	121	38	28	6	1010		352	(E)	. 193	31.83
assachusetts lichigan	252 183 337	883	195 195 193	7 2 2 3 3 4 4 4	558	222	282	\$ 7 .0	854	2∞-	1,926 616 2 909	138 138 105	. 202 . 399	22.01 11.55
ississippl optana		90 W	18	9 %	22		× •	4	18	en	269	31		11.52 27.66
ew Jersey. ew York. hio	2,126 5,773 172	1,46	2, 201 147	630	258 643 623	215	122 182 18	29	380	20.	4,055 13,223 546	1,180 3,331 (1)	1.376 1.287 .106	25.19
regon.			9		379		48	-	26		38	3 630	. 256	10.53
outh Carolina.	58	2	38	5.0	13 23	C4 -	Ф 84	64		9	123	36	. 176	29. 27 18. 75
irginia. Vashington			12	*	Ž.c	6-	920	8-	70	98	330	50	.151	23.33
Visconsin	174	16	163	53	87	*	10	9=	6-		475	0. s	.039	16.63
1 Data as to deaths not furnished	t furnishe	d.	The heal	th officer s	tates that	The health officer states that cases are known not to be completely reported	nown not	o be comp	letely rep	rted.	3 Not	eported b	3 Not reported by months.	

8	tion July 1,		-	-			-				May.	June.	ne.	7	July.
		Cases	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases. I	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
	2, 332, 608 1, 938, 664 1, 362, 505 1, 362, 807 2, 279, 603 2, 279, 603 2, 150, 356 1, 632, 613 1, 532, 613 1, 532, 613 1, 532, 613 1, 532, 613 1, 532, 613		-	1			-			11 2	1 2	8	6		
	August.	it.	September.	nber.	Oet	October.	Nov	November.		December.		Total	Total	Cases	Indicated
1	Cases. I	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	s. Cases.	-	Deaths.		deaths, 1916.	per 1,000 inhabit- ants.	fatality rate per 100 cases.
Alabama Odilfornia S Kansas Maryland OMinnesota Move Jersey Pennsylvania F South Carolina Washinton	24											w== %= +4% %=	©., 8-144 - *84-	0.0010 .0010 .0010 .0010 .0010 .0003 .0003 .0018	100.00

ROCKY MOUNTAIN SPOTTED FEVER.

	Estimated		January.	Febr	February.	March.	ch.	April.		May.		June.		July.	у.
	tion July 1 1916.	-	Cases. Deaths.	cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases. Deaths.	-	Cares. I	Deaths.	Cases.	Deaths.
California. Colorado. Osciona Organia. Washington	2, 988, 654 962, 060 459, 494 885, 741 1, 534, 221 179, 559	1 111111			1 1 1 1 1 1 1			1 :01-1		so → ∞	2121 22	0 4-4	 		
	August.	ust.	Septe	September.	Oct	October.	Nov	November.	De	December.	Tota			Cases	ndicated
	Cases.	Deaths.	. Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	. Cases.	Deaths	1916.		deaths. pe	per 1,000 Inhabit- ants.	rate per 100 cases.
California. Colorado. Oregon. Washington.		* * * * * * * * * * * * * * * * * * *								0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		@-2gm	© ₹ Ø	0.0% 0.0% 0.0% 0.0% 0.0%	18. 18. 18. 18.

States in which no cases of this disease were reported are not included in this table.
2 Data as to denths not furnished.
3See also page 1507 in relation to Rocky Mountain spotted fever in the far Western and Northwestern States.

SCARLET PEVER.

	Estimated	January.	ary.	February.	ary.	March	ch.	April.	11.	May.	.A.	June.	.e.	30	July.
	tion July 1, 1916.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
labama	2, 332, 608	38		24	60	38		19		24		36		25	
Arizona	2,938,651	368	63	369	69	419	10	326	2	383	69	187	60	149	*
Colorado	1,244,479	130	10	126	00	160	9	98 179		109	69	28.28	1	83	
District of Columbia	363,980	39		72	61	20	63	51		36	1	18	-	=	
nawaii Adiana Owa. Kansas	2, 816, 817 2, 220, 321 1, 829, 545	363 153 292	200	252 290 290	21.4. x	362 399 337	=8-	225 230 293	487	219 165 188	122	140 128 8	41010	2188	4.0
Couistana.	1,829,130	200	9 9	20 50	0 0 0	219	1	16		910		15		28	-
Karyland Kassachusetts Michigan	1, 362, 807 3, 719, 156 3, 054, 854	358 948 601	15 19	202 772 625	28	301 879 812	യവ്യ	211 696 765	11 ×	180 265 265	890 108	111 336 336	13	218 164	en en so
Minnesota Mississippi	2, 279, 603	522	17	613	10	634	19	23	83	401	9	361	4	28	101
Montana New Jersey New York	-	46 509 1,307	°S1	1,	01;00 <u>03</u>	08 626 1,567	18 27	53 1,486	చి	25 618 1,371	18	903 903	12.2	227 529	21
Ohio. Oregon Pennsylvania Rhode Island	5,150,356 835,741 8,522,017 614,315	1,273		8888	- 80	1,167 39 1,081 170		1,070 53 915 138		561 738 126	9	2882	T	252	
South Carolina	1, 629, 479	25 25	-	15	20	12		20 02		- 60	-	2 13	N -	8 8	
Virgina. Washington Wisconsin	2, 192, 019 1, 534, 221 2, 500, 350	88 8 8 E	©10004	:8±5°	m	22822		3833	00040	244E	- E	38 30 30 30 30 30 30 30 30 30 30 30 30 30	. 131-21	និង្គិន្តិ	

Not reported by months.

	Augu	ust.	September	nber.	October	ber.	November	nber.	December.	aber.			Cases	Indicated	Indicated
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Total cases, 1916.	Total deaths, 1916.	reported per 1,000 inhabit- ants.	fatality rate per 100 cases.	H - H-H
Alabama	113	-	153	4	145		144	10	6.	100	848	15	0.364	1.77	0.000
California	178		198		347	CI	255	90	401	9	3,894	£ 3	1.325	28.	.012
Connecticut	35	1	38	ca.	65	-	18		120		1,213	. (C) 28	. 975	2.39	.023
District of Columbia.	22		37		39	*******	48		64		530	9	1.456	1.13	910.
Indiana. Iowa. Kansas	E813	131	121-21	× 10 00	410 79 202	401-	513 89 201	1-00	507 92 191	⊕ ≠≈	3, 645 1, 602 2, 265	90.	1.294	2.6.47 2.52 52	
Louisiana Maine Maryland Massachusetts Michigan	15. 15. 16. 16. 16.	185	23 2 2 3 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3	mm	31 115 305 430	5.80	13 127 376 607	48	585 585 869 869	26 26	278 316 1,967 6,281	(1) 51 109 167	.152 .409 1.443 1.686 2.057	1.08 2.38 2.74 2.66	. 002 029 050
Minnesota. Mississippi. Montana. New Jersey. New York.	78 60 11 198 198	9 124	8 113 15 15 15 15 15	04-1 0404	235 131 26 120 454	×6161 60	271 78 38 197 732	. 132	8418 84 1,005	& - 4 4 Z	4,177 696 352 4,209 11,083	113 13 12 176	1.832 .357 .766 1.428 1.079	21.8.1.1 12.4.28	020 020 820 710
Ohio. Oregon Pennsylvania. Rhode Island. South Carolina.	232 12 244 32 7	4	25 319 27 27		813 59 534 45 45	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	880 1727 124 25	- 8-	35 38 38 88 88 88 88	61	9, 156 629 8, 076 533	(1) \$ 220 27 13	1,778 .948 1,595 328	2999. 2552	900
Vermont Virginia Washington Wisconsin	223884		172	-4 6	258 240 240 3	4 00	855 55 ×	2 - 2	010 182 79 7	13+131	1, 467 1, 467 3, 983 108	114713	1.936 .669 .426 1.593	711998 82788	000.001

2 The health officer states that cases are known not to be completely reported. Data as to deaths not furnished.

SEPTIC SORE THROAT.

	Estimated		January.	r cornario				- Third		May.		a dille.	7	· ćmr
	tion July 1 1916.	1, Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases. De	Deaths. C:	Cases. Deaths.	ths. Cases.	s. Deaths.	s. Cases.	Deaths.
Connecticut Karness Maryland Maryland Massachusetts New York Ohio Rhode Island South Carolina	1, 244, 479 1, 829, 545 1, 772, 489 1, 362, 807 3, 719, 156 6, 123, 375 6, 120, 336 6, 14, 315 1, 63, 578 808, 689	8 28 8420	5	2 88 24	9 1	1 82 3 6	1010	1 11 22	- 46	∞∞ 12 ≅ ∞ 10	121	0 1 20 1	7 50 62 =2	-8
	August.	ıst.	September.	nber.	Octo	October.	Nove	November.	Dec	December.	- Lotoff		Cases	Indicated
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	cases, 1916.	deaths, 1916.	per 1,000 inhabit- ants.	fatality rate per 100 cases.
Connecticut. Kansas.			1						*				0.038	,
Maryland.		-	-10	614	-1100	61	12	co 4	24	10	159	E 23	20.00	30.19
New York Ohio Rhode Island South Carolina Vermont.	10		8	ea	20		91 -9		13.1		\$829°	(3)	800.00.00.00.00.00.00.00.00.00.00.00.00.	70.00

MALLPOX

	Estima:ed		January.	Febr	February.	March.	reh.	April.	ril.	M	May.	Ju	June.	Ju	July.
	tion July 1, 1916.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama Arizona. California. Colorado. Comecticut	2,332,608 255,544 2,938,654 962,000 1,244,479	22,22		a 82		8.85		1084	8	9+2+		88142		17	
District of Columbia Hawaii. Indiana. Jowa. Kansus.	201-	104 268 226		114 252 285		137 260 341		25 E 20 E		25.5				2.52	
Loutsiana. Mayland. Massa-Musetts Michigan. Minnesota.	1,829,130 1,362,807 3,719,156 3,054,854 2,279,603	8-11-151	-	86 11	-	159		138 6 138 140		82-99			• !!!!	చేల నిగ	
Missiscippi. Montana Now Jersey New York. Ohio.	1,951,674 459,494 2,918,017 10,273,375 5,130,356	214 72 5 5 301		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	6 -	30	+	103 813 813		144 80 7		8 8 5 m = P		3 44 68	
Oregon Pennsylvania. South Carolina Vermont.	835,741 5,522,017 1,625,475 363,699 2,192,019	395000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sesse	-	-8412		23222		401 601 717		wer-#		9 2 2 2 2 3	
Washington Wisconsin Wyoming	1, 531, 221 2, 500, 350 179, 559	15.0		133		108 116	1	139		228		112 51 53		222	1 1 1

1 States in which no cases of this disease were reported are not included in this table.

SMALLPOX-Continued.

	August.	ust.	September.	mber.	October.	Der.	November.	mber.	песе	December.	Total	Total	Cases	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	ceses, 1916.	deaths, 1916.	per 1,000 inhabit- ants.	rate per 100 cases.
ibama. Fona Ilfornia. Inecticut	9:02:0		1022101	61	-290 <u>8</u>		122 8		\$ 5+8		157 49 234 103 175	(3)	0.067 193 080 107 1141	5.13
strict of Columbia	29 8 8 16	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	23 23 23		88.138		1 167 26 26 162		171 64 169		1,158 1,478 2,085		.005 .005 .114 .666 1.140	70.
ulsjans rryland sssochusetts crigan inreota	128	* * * * * * * * * * * * * * * * * * *	17.		18 116 118		8-28=		80 190 315		819 69 32 1,365 21,270	61		24.
ississippi ontana. ew Jersey ew York.	20 11 20 15		83 128		288		97 42 126	61	155 42 1 1 205	T	1,401 569 9 30 1,921	9 E	718 1.238 .003 .003 .373	1.05
regon. emsylvania suth Carolina. ermont.	01-9-19		⊕+81 ∞		, c1 c1 — &		90 90 121		30 23 23		119 97 93 152 399	61-1-	.011 .057 .057 .418	2.15 68 52.53
ashington isconsin.	43	6 6 8 6 6 6 6 7 8 6 8 8 7 9 8 7 9 8 7 9 8 7 9 8	20	-	22		188	6	888		887 758 750		.415	

TUBERCULOSIS (PULMONALY.)

TUBERCULOSIS (PULMONARY)-Continued.

	Aug	ugust.	September.	mber.	October	Der.	Nevember.	nber.	Dece	December.	-			Number	-
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Total cases, 1916.	Total deaths, 1916.	Cases reported per 1,000 inhabit- ants.	of cases reported for each death regis- tered.	death rate per annum per 1,000 inhabit- ants.
Alabama	242	211	189	182	215	182	179	169	202	223	2,809	2,526	1.204	1.11	1.083
California. Connecticut. District of Columbia.	168	319 119 52	152	300 116 49	191	325 126 53	142	358 122 56	159	490 137 41	2,016	4,608 1,517 647	1.620	1.33	1,568 1,219 1,778
Hawaii Indiana Iowa Kensas Loulshina	200	217 217 48 48 88	190	213 77 77 102	181	27,288	132 132 126	82728	97 173 139	24235	2,455 1,939	3,242 1,161 1,159	3.963	2.48	1.599 1.151 1.151 1.523 1.459 1.459
Maryland Massachusetts Michigan Minnesota Mississippi	324 624 392 477	209 308 182 134 176	284 622 304 607	884 1133 173 173	222 532 342 527	280 182 132 175	223 540 257 507	310 310 176 136 159	244 718 352 519	223 387 148 148 175	3,287 7,878 14,152 7,024	2,410 2,477 1,917 2,453	2. 412 2. 118 1. 821 3. 599	1.36 1.87 2.17 2.86	
Montana. New York. Oregon. Rhode Island. South Carolina.	2, 409 30 86	1,014 40 72 128	2,268 29 71	979 30 65 120	2,050 31 70	1,01 88 81	2, 229 32 32 52	1,071 34 68 118	2,227 31 63	1,158 40 57 112	29, 289 425 859	14,000 513 828 1,606	2.908 2.908 1.398	2.13	1.363 .614 1.348 .988
Vermont Virginia Washington Wisconsin.	120	284 284 71 140	75	27.5 7.7 14.1	16	27 222 78 78 139	71 28	208 206 127 127	31	18 248 79 158	1,082	3,337 952 2,029	.880	1.10	

TUBERCULOSIS (ALL FORMS).

	Estimated	January.	ary.	February.	ary.	March.	ch.	April	-F	May.	ıy.	June	ne.	July.	ly.
,	tion July 1, 1916.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
labama. alifornia.	2, 332, 608	109	225	566	206	888	270	483	251	644	266	473	405	408	396
Sonnecticut District of Columbia		2.62	4	250	78	101	102	101	25	112	24	2	20	2.6	16
Jawaiindiana.	215,	100	332	120	45.5	101	45	69	373	62	354	99	337	58	288
owa. Kansas Autsiana.	2, 220, 321 1, 829, 545 1, 829, 130	103	149 85 108	136	126 100	117	141 89 114	26	130	138	110 82 89	911	123 67 117	126	288
Maine Massachusetts Michigan Minnesota Mississippi	3,772,483 3,719,156 3,054,854 2,279,003 1,951,674	716 264 362	233 233 233 245	728 579 376	235 270 235 235	750 524 455	211 211 276	715 604 426	438 302 206 237	783 651 449	288 286 255	745 554 447	409 236 213 241	798 541 322	413 210 197 231
Montana. New Jersey. New York. Ohio.	459, 494 2, 948, 017 10, 273, 375 5, 150, 356 835, 741	2,398 538 50 50	37 392 1,407	2,094	26 1,372 70	3,021 688 52 52	1,637	2,849 619 50	28 428 1,566 52	2, 886 583, 88	1,543 1,543 88	3,038 548 27	38 339 1,321	2,355 510 30	362 1,171 52
Pennsylvania Rhode Island South Carolina Vermont	8,522,017 614,315 1,625,475 363,699 2,192,019	1, 136 75 17 352	79 127 36 388	941 63 18	93 141 35 347	28 88 198	93 141 37 378	1,125 82 10 10	80 168 86 86	1,074 84 18 368	84 168 302	964 87 89	22822	1,003 70 39 204	5225
Washington Wisconsin Wyoming	1, 534, 221 2, 500, 350 179, 559	178	104 237 6	119	112	177	236	84	136 206 4	88	120 205 8	151	199	143	189

TUBERCULOSIS (ALL FORMS)-Continued.

	Aug	ust.	September.	mper.	October.	ber.	Nove	November.	December.	per.				Number	Indi-
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Total cases, 1916.	Total deaths, 1916.	Cases reported per 1,000 inhabit- ants.	of cases reported for each death regis- tered.	death rate per annum per 1,000 inhabit- ants.
Alabama California Colorado	647	369	618	192	548	. 191 375	637	182	517	246	0,6,9	2,722 5,287	2.375	1.33	1.166
Connecticut District of Columbia	16	22	22	213	92	10 88	98	67	89	15	1,061	223	2.915	1.46	2.003
Hawaii Indiana Iowa Kansas Contana	146	27.7	56	257 191 191 191 191 191 191 191 191 191 19	£ 73	ឧទ្ធឧទ្ធ	8 28	328828	101	25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1,363	1, 792 1, 503 959	4.436	2.3	1.896 1.346 1.336 .632 .530
Maine. Massachusetts. Michigan. Minnesota. Mississippi.	887 846 427		674 685 324	1223	578 601 37 9	216 216 168	293		25.58 38.35 36 38.35 38.35 38.35 38.35 38.35 38.35 38.35 38.35 38.35 38.35 38	270 270 171 179	2 458 8,537 7,076 3 4,619	2, 5, 002 2, 932 2, 932 625	2 295 2 316 2 316 2 039	1.1.1 1.2.1	1.345 1.943 1.345
Montana New Jersey Ohlo Oregon	2, 457 407 34	319 1,120	2, 520 3,303 313	1,100	2,093 378 34	291 1,127 1,127	2,268 608 808 808	1,164	2, 256 390 31	1,284 1,284	9,017 30,510 5,997 447	4,333 15,721 (1) 616	3.059 2.973 1.164	1.94	1.470 1.530 1.530
Pennsylvania. Rhode Island. South Carolina. Vermont.	1,010	888 215	859 79 49	128 32 292	¥81 8	242 242	<u> </u>	25.28 28.28	746 66 15 287	ន្ត្រីនេះ	11,305 908 251 8,584	10,827 1,732 3,683	1.327	101	1.270 1.613 1.056 1.056
Washington Wisconsin Wyoming	152	155	88 8	97 153 3	101	882	130	148 6	76	166 166 8	3 1, 497 3 56	1,228 2,243 50	.312	1.00	.807

3 The health officer states that cases are known not to be completely reported.

2 Not reported by months.

Data as to deaths not furnished.

TYPHOID FEVER.

Estimated January. March. Petruary. March. populin.	February.	February.	-	-	March.	reh.		April	il.	May	ıy.	Ju	June.	P.	July.
Cases. Deaths. Cases, Deaths. Cases. Deaths.	Deaths. Cases, Deaths. Cases. Deaths.	Cases, Deaths. Cases. Deaths.	Deaths. Cases. Deaths.	Cases. Deaths.	Deaths.		రే	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
608 89 32 72 18 36	32 72 18 36	72 18 36	18	98		=		90	12	1117	35	485	19	1,237	150
6).	13 68	89 EI	13 68	8:		17		28.	15	122	14	143	22	134	8
479 17 4 80 6	9 +	9 98			33	=		12	9	11	2	37	6	318	10
11 2 13	3 11 2 13 13 13	11 2 13	21 1	22.2		-0		75	e0 q		***	13	40 c	8	-
321 104 29 142 33	29 142 33 167	142 33 167	33 167	167		:23		151	9	111	-81	135	17	223	37.
829,545 41 9 45 5 64	9 45 5	19 0	9 9	19		12		69	10	25	20	55	11	264	-81
130 100 38 63 33	38 63 38	63 38	28 28	800		27		80	33	118	8	201	26	233	49
1,302,817 92 21 65 7 72 9 3,719,136 81 13 38 12 55 12 3,045,137 33 118 19 100 98	21 65 77 72 72 72 72 72 72 72 72 72 72 72 72	18 8 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12.7.2	*R18 <u>8</u>		9218		22.2	10 × 40	6218	ဖြောဗ္ဗ	. 2 523	201	1888	# F
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Not reported by months.

2 The health officer states that cases are known not to be completely reported.

Data as to deaths not furnished.

TYPHOID FEVER-Continued.

Indicated death	rate per 100 p cases.	19.33 0.298 17.34 .071	12.50204 20.75204 18.20213 12.50144	24. 56 . 190 10.01 . 196 10.63 . 043 18. 20 . 133	13.86 .056 11.07 .342 11.55 .102 13.96 .066 13.43 .058	24.76 .062 13.28 .136 7 21.77 .060	14.55
Cases	reported per 1,000 inhabit- ants.	1.540 .200 .410 .563	. 846 . 983 . 1.170	. 551 . 551 1. 958 . 407	3. 092 8. 886 . 472 . 430	. 25.1 1.021 1.021 1.021	1.924 1.924 1.04
	Total deaths, 1916.	(c) 203 (c) 303	600 155 155 263	(*) 267 161 405	127 668 47 194 593	(1) 52 11,155 475	28858
	Total cases, 1916.	3, 591 1, 205 1, 205 542 538	308 212 3,296 2,104	1,413 426 2,668 1,515 2,225	2,916 6,035 407 1,390 4,417	4,273 210 8,697 170 961	4, 218 615 999
iber.	Deaths.	17.	37 112 115	88228	×8.52	4 65%	222
December	Cases.	104 7	128 128 101	25 25 EEE	850,72	135 6 332 12 30	138
aper.	Deaths.	12 13	30.1	2 3-8	22°25	3 -1 8	uå×ï.
November	Cases.	122 5 91 36 62	272 209 168	105 33 206 115 107	349 349 349 349 349	327 133 144 144 144	228 37 46
Der.	Deaths.	16	e+888	22 47 16 16	52 9 E S	w r-4	2855c
October	Cases.	212 22 22 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	38 18 329 349	325 375 179 341	151 151 151 151	54.5% 2.2% 2.2%	456 178 178 178
aber.	Deaths.	31	F-9888	32.5	13.799	4 86	101 14 14 19
September	Cases.	370 5 131 137 92	36 657 374	122 76 585 369 396	676 676 828 795 795	1,002 2,047 21 253	25883
ıst.	Deaths.	96 17 99	× = 5 + 5	25 18 18 18	78°82	4 1-18	1272
August.	Cases.	684 7 170 104 96	80 112 940 520	26.8 26.8 398.8 3 398.8 398.8 398.8 398.8 398.8 398.8 398.8 398.8 3 398.	1,004 1,004 882 882 882 883	1,168 1,168 27 45	1,166 190 190 98
		labama rizona alifornia olorado onnecticut	District of Columbia. Hawaii Indiana. Iowa	Louisiana. Maine Maryland Massachusetts Michigan.	Minnesota Mississippi Montana New Jersey New York	Obio Oregon Pennsylvania. Rhode Island. South Carolina.	Vermont. Virginia. Washington Wisconsin.

TYPHUS PEVER.

	Estimated		January.	Feb	February.	Ma	March.	April.	II.	M	May.	-	June.	,	July.
	tion July 1 1916.	y I. Cases.	s. Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
tizona lifornia ilorado.	255, 544 2, 938, 654 962, 060 1, 829, 545	944 955 955 7				* * * * * * * * * * * * * * * * * * *		8 0						63	
aryland ew Jersey ew York. nnsylvania.	1, 362, 807 2, 948, 017 10, 273, 375 8, 522, 017	710 ST	2		9 0			* * * * * * * * * * * * * * * * * * *				2		8	
	Ang	Angust.	Septe	September.	teO Oct	October.	Nov	November.		December			-	Cases	Indicated
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths	Савев.	Deaths	1s. Cases.		Deaths. 1	cases, 1916.	deaths. 1916.	per 1,000 inhabit- ants.	rate per 100 cases.
ltona. Ilfornia. olorado	61-	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	251		***			1 000-		1 ::::		828	3 3	0.0080 .0100 .0100	7.7
aryland sw Jersey sw York. onsylvania.		* * * * * * * * * * * * * * * * * * *	61		æ	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		* * * * * * * * * * * * * * * * * * *	1111	m	· · · · · · · · · · · · · · · · · · ·	50	0 0	.0000	

2 Data as to deaths not furnished. 1 States in which no cases of this disease were reported are not included in this table.

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

CURRENT STATE SUMMARIES.

California Report for the Week Ended September 15, 1917.

CURRENT STATE SUMMARIES.

California Report for the Week Ended September 15, 1917.

The California State Board of Health reported concerning the status of preventable diseases in California for the week ended September 15, 1917, as follows: Three cases of smallpox were notified in the State, 1 in Fresno County and 2 in the city of San Francisco. The numbers of cases of diphtheria, scarlet fever, and whooping cough indicated increases in the prevalence of those diseases. Of 28 cases of diphtheria notified, 13 were in San Francisco and 6 in Los Angeles. Forty cases of typhoid fever were notified during the week. The prevalence of other notifiable diseases continues about the same as during the previous week.

The details of notifiable disease cases reported during the week ended September 8, 1917, are as follows:

Cerebrospinal meningitis	1	Mumps	44
Chicken pox	26	Pneumonia	25
Diphtheria	24	Poliomyelitis	3
Dysentery	3	Scarlet fever	23
		Smallpox	
German measles	15	Syphilis	19
Gonococcus infection	45	Trachoma	1
Hookworm	1	Tuberculosis	144
Leprosy	1	Typhoid fever	43
Malaria	35	Typhus fever	1
Measles	117	Whooping cough	30

ANTHRAX.

Massachusetts Report for August, 1917.

During the month of August, 1917, 3 cases of anthrax were reported in the State of Massachusetts.

CEREBROSPINAL MENINGITIS.

State Reports for August, 1917.

Place.	New cases reported.	Place.	New cases reported
District of Columbia Massachusetts: Berkshire County— Pittsfield. Bristol County— Fall River. New Bedford.	1 1 1 2	Massachusetts—Continued. Middlesex County— Lowell. Somerville Suffolk County— Boston. Total	1 1 19
Barnstable County Essex County— Gloucester Lawrence Lynn Peabody (town) Hampden County— Springfield	2 1 1 1 1	Wisconsin: Manitowoc County. Milwaukee County Sheboygan County. Waukesha County. Total	1 5 2 2 1

State Reports for June and July, 1917.

Place.	New cases reported.	Place.	New cases reported.
California (June 1-30): Alameda County— Berkeley. Los Angeles County— Los Angeles County— Los Angeles. San Diego County— San Diego. San Francisco. San Francisco. San Joaquin County— Stockton. Ventura County— Oxnard.	1 4 2 3 1 1 3	Virginia (July 1-31): Carroll County Flu. anna County Franklin County Mecklenburg County Clarksville Nelson County Orange County Scott County	3 1 2 1 1 10

City Reports for Week Ended Sept. 1, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Boston, Mass	1		New York, N. Y	4	
Chicago, Ill	3	1	Niagara Falls, N. Y	1	
leveland, Ohio	2		Philadelphia, Pa	9	
Duluth, Minn		1	Pittsburgh, Pa	1	
Hartford, Conn			Saginaw, Mich		
Kansas City, Kans	1		St. Louis, Mo		
awrence, Mass		1	San Diego, Cal		
owell, Mass			Superior, Wis		
Newark, N. J	1		Washington, D. C	1	
New Haven, Conn	1	1	Washington, Pa		******

DIPHTHERIA.

Mississippi.

During the period from September 10 to 15, 1917, cases of diphtheria were notified in the southern part of Mississippi as follows: Biloxi 5, Columbia 3, Gulfport 3, Hattiesburg 1, Leakesville 2, Pass Christian 6, Picayune 3, Saucier 6.

See also Diphtheria, measles, scarlet fever, and tuberculosis, page 1545.

ERYSIPELAS.

City Reports for Week Ended Sept. 1, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baltimore, Md			Newark, N. J	1	
Buralo, N. Y.	2	i	Philadelphia, Pa	î	
Chicago, Ill	5		Pittsburgh, Pa	1	
Cleveland, Obio	2		Portland, Oreg Providence, R. I	1	
Detroit, Mich	1	2	Reading, Pa		
Dubuque, Iowa		1	Rochester, N. Y		
El Paso, Tex		1	San Francisco, Cal	3	
Hartford, Conn			Superior, Wis	1	
Kalamazoo, Mich	1		Tacoma, Wash		
Kansas City, Mo	1		Washington, Pa	1	
Los Angeles, Cal	1		Wilmington, Del		

LEPROSY.

Rhode Island-Providence.

On September 14, 1917, a case of leprosy was reported at Providence, R. I., in the person of an Italian who had lived in the United States for a period of five years.

MALARIA.

State Reports for August, 1917.

Place.	New cases reported.	Place.	New cases reported.
Maryland: Baltimore County— Halethorp Bengies. Calvert County— Port Republic Charles County— Malcolm Indianhead. Waldorf. Pomfret. Berry. Prince Georges County— Townshend. Accokeek Somerset County— Manokin. Worcester County— Berlin, R. D	1 1 1	Massachusetts: Hampshire County— Northampton Essex County— Danvers (town) Middlesex County— Cambridge— Norfolk County— Brookline (town) Dedham (town) Foxborough (town) Medfield (town) Suffolk County— Boston Worcester County— Milford (town) Total	1 4 1 1 1 2

MALARIA-Continued.

State Reports for June and July, 1917.

Place.	New cases reported.	Place.	New cas
alifornia (June 1-30):		Virginia (July 31)—Continued.	
Alameda County—		Halifax County	
Berkeley	3	Houston	
Butte County	9	South Boston	
Chico	4	Hanover County	1
Colusa County	4	Henrico County	
Colusa	1	Richmond	
Fresno County	4	Henry County	
Firebaugh	1	Martensville	
Reedley	2	Isle of Wight County	
Kern County	3	James City County	
Bakersneld	1	Williamsburg King and Queen County	
Delano. Los Angeles County—	1	King William County	
Los Angeles County—	0	West Point	
Los Angeles Merced County	2	West Point Lancaster County	
Modoe County	i	Loudoun County	
Sacramento County—		Louisa County	
Sacramento	4	Lunenburg County	
San Francisco.	i	Victoria	
Santa Clara County—		Mathews County	
San Jose	1	Mecklenburg County	1
Solano County-	- 1	Chase City	
Vacaville	2	Clarksville	
Stanisiaus County—		South Hill	
Oakdale	1	Middlesex County	-
Turiock	2	Urbanna	
Tulare County—		Nansemond County	
Tulare	2	Suffolk	
Visalia	1	Nelson County	
Tuolumne County	1	New Kent County	
Yolo County	3	Norfolk County	
		Northampton County	
Total	55	Cane Charles	
Indula (Tula 1 91).		Northumberland County	
irginia (July 1-31);	26	Reedville	
Accomac County	11	Blackstone	
Albemarle County	2	Burkeville	
Alexandria County	î	Crewe	
Alexandria	10	Orange County	
Alleghany County—		Pittsylvania County	
Clifton Forge	1	Powhatan County	
Amelia County		Princess Anne. Prince Edward County	
Appomattox County	2	Prince Edward County	
Bedford County	2	Farmville	
Bedford City	2	Prince George County	
Brunswick County	3 2 2 2 2 6 8	Hopewell	
Buckingham County		Prince William County	
Campbell County	12	Richmond County	
Altavista	2	Roanoke County	
Caroline County	32	Rockbridge County-	
Bowling Green	16	Lexington	
Chesterfield County	10	Rockingham County—	
WinterpockCumberland County	11	BridgewaterSouthampton County	
Dinwiddie County	15	Franklin	
Elizabeth City		Spotsylvania County	
Hampton	7 5	Stafford County	
Phoebus	Å	Surry County	
Essex County.	11	Claremont	
Tappahannock	2	Sussex County	
Fairfax County	4	Wakefield	
Fauguier County	i	Warwick County	
Fauquier CountyFluvanna County	2	Washington County	
Gloucester County	25	Washington County Westmoreland County	
Gloucester County	2	Wise County	
Greenesville County	24	York County	
Emporia	16		
North Emporia	10	Total	90

MALARIA-Continued.

City Reports for Week Ended Sept. 1, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Birmingham, Ala. Boston, Mass. Cleveland, Ohio. East Orange, N. J. Kearny, N. J. Little Rock, Ark	1 50 1 1 2 2 2 5	2	Memphis, Tenn Mobile, Ala New Orleans, La New York, N. Y Northampton, Mass Savannah, Ga	2	

¹ The reason that Birmingham had so many more cases of malaria reported than any other city is not that the disease is more prevalent in Birmingham than in other cities of Alabama and neighboring States, but undoubtedly because of the successful efforts the health department has made in securing the cooperation of the practicing physicians in reporting cases.

MEASLES.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 1545.

PELLAGRA.

State Reports for August, 1917.

Place.	New cases reported.	Place.	New cases reported.
District of Columbia Maryland: Dorchester County— Finchville St. Marys County— Leonardtown Total	1 1 2	Massachusetts: Essex County— Danvers (town). Peabody (town) Middlesex County— Tewksbury State Infirmary. Suffolk County— Boston. Total.	1 1 1

Virginia Report for July, 1917.

Place.	New cases reported.	Place.	New cases reported.
Virginia: Accomae County Albemarle County Ambers County Amherst County Appomattox County Bedford County Boleton: County Buekingham County Buekingham County Caroline County Caroline County Caroline County Chesterfield County Winterpock Culpeper County— Culpeper County— Culpeper County Gloucester County Dinwiddie County Essex County Gloucester County Grayson County Fries Greensville County— Emporia North Empória Halitax County	1 1 2 1 1 1 3	Virginia—Continued. King William County— West Point. Lee County. Louisa County. Montgomery County Nelson County. Blackstone. Pittsylvania County. Powhatan County. Princess Anne County. Prince Edward County. Rockingham County— Rockingham County— Southampton County— Franklin. Spotsylvania County— Fredericksburg. Sussex County. Warren County Washington County Wise County.	1 1 2 1 1 2 1 2 1 2 4
Henrico County	5 1	Total	74
James City County— Williamsburg	1		

PELLAGRA-Continued.

City Reports for Week Ended Sept. 1, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Birmingham, Ala Buñalo, N. Y Charleston, S. C. Chicago, Ili Hartford, Conn Los Angeles, Cal. Memphis, Tenn		2 1 2 1 1	Mobile, Ala Nashville, Tenn New Orleans, La. Savannah, Ga Washington, D. C Wilmington, N. C	. 1	

PNEUMONIA.

City Reports for Week Ended Sept. 1, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alameda, Cal. Auburn, N. Y Berlin, N. H. Binghamton, N. Y Boston, Mass Chicago, Ill. Cleveland, Ohio Duluth, Minn. Grand Rapids, Mich Kalamazoo, Mich Kansas City, Mo.	1 1 1 1 2 46 7 1 1 1 3	1 6 42 10 1	Los Angeles, Cal Morristown, N. J. Newark, N. J. Newport, Ky. Philadelphia, Pa. Pittsburgh, Pa. Rochester, N. Y. San Francisco, Cal. Springfield, Mass. Worcester, Mass.	1 1 7 1 33 7 3 12 1	1

POLIOMYELITIS (INFANTILE PARALYSIS).

Illinois-Chicago.

During the week ended September 15, 1917, 57 cases of poliomyelitis were notified in Chicago, Ill. Nine cases of the disease were also notified in Cook County outside of Chicago.

Massachusetts.

During the week ended September 15, 1917, cases of poliomyelitis were reported in the State of Massachusetts as follows: Fall River 2, Haverhill 1, Malden 1, Reading (town) 1, and Somerville 1.

Vermont.

During the week ended September 15, 1917, cases of poliomyelitis were notified in Vermont as follows: Barre 11 (including 10 cases in which the diagnosis was delayed), Bridgewater, Calais, and St. Albans 1 case each.

POLIOMYELITIS (INFANTILE PARALYSIS)—Continued.

State Reports for August, 1917.

Place.	New cases reported.	Place.	New cases reported.
District of Columbia	4	Massachusetts:	-
Nebraska:		Bristol County— Fall River	1
Dakota County	8 2	Essex County-	1 .
Douglas County	11	Haverhill	21
Knox County	1	Lvpn	2
Lancaster County	1	Saugus (town)	1
Nemaha County	1	Hampshire County-	
Saunders County	4	Northampton	1
***************************************		Middlesex County-	
Total	20	Acton (town)	1
		Lowell	1
Maryland:	1	Natick (town)	2
Allegany County-		Stoneham (town)	2
Water Cliff	1	Marlhoro	
Westernport	4	Plymouth County—	
Luke	4	Brockton	3
Lonaconing	1	Hingham (town)	1
Lord	1	Suffolk County—	
Gilmore	1	Boston	1
Moscow Mills	2	Worcester County-	
Cumberland	1	Winchenden (town)	1
Frostburg	1	Worcester	1
McCool	1	*	
Baltimore County-		Total	49
Blenheim	1		
Govans	1	Wisconsin:	
Carroll County-		Marathon County	1
New Windsor, R. D	1	Milwaukee County	2
Garrett County-	- 101	Trempealeau County	2
Swanton, R. D.	1	Vernon County	1
Friendsville	1		
'Dodson	1	Total	6
Jennings	1 1		
Kitzmiller	1		
Stever	1		-1
Mountain Lake Park, R. D	1	d beneda ar di	1881
Prince George County—			
Chillum, R. D	1		100
Total	25		
40100	20		

State Reports for June and July, 1917.

Place.	New cases reported.	Place.	New cases reported
California (June 1-30): Los Angeles County— Long Beach. Los Angeles.	1 2	Virginia—Continued. Loudoun County Mecklenburg County— Clarksville Middlesex County.	1
Total	3	Page County	15
Albemarie County Augusta County Grayson County	î	Elkton. Harrisonburg Scott County. Spotsylvania County. Washington County.	
Greene County. King and Queen County.	11 2	Total	64

City Reports for Week Ended Sept. 1, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio	5 1 1		Lynn, Mass Newark, N. J. New Castle, Pa New York, N. Y		
Chicago, III	23 3 3	5	Portland, Oreg. Rock Island, Ill. St. Louis, Mo. San Francisco, Cal.	1	******
Haverhill, Mass	2		Washington, D. C	i i	

SCARLET FEVER.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 1545.

SMALLPOX.

Minnesota.

During the week ended September 15, 1917, 2 new foci of smallpox infection were reported in the State of Minnesota, cases of the disease having been notified as follows: Roseau County, Roseau 1; Scott County, Savage 1.

Oregon-Portland-Correction.

The report of 2 deaths from smallpox in the city of Portland, Oreg., published in the Public Health Reports of September 14, 1917, page 1491, was an error. It is stated that the 2 deaths were due to syphilis instead of smallpox.

State Reports for June and August, 1917.

			Vaccination history of cases.				
Place.	New cases reported.	Deaths.	Number vaccinated within 7 years pre- ceding attack.	Number last vacci- nated more than 7 years preceding attack.	Number never sue- cessfully vaccinated.	Vaccination history not obtained or uncertain.	
California (June 1-30):							
Alameda County-	1	1				i	
Alameda	2	********	******	*********	2	*********	
Oakland	1			*********	1	*********	
Fresno County	7			*****		*********	
Fresno	1	********	**********	**********	1	********	
Los Angeles County—					3		
Los Angeles	1	********		**********	3		
Marin County— Synsalito	3				Marian and the		
San Bernardino County—	9	********	*********		*********		
Needles					1		
Upland	1		*********		â	**********	
c pland		*******	*********	*********			
Total	23				19	4	
Massachusetts (Aug. 1-31): Hampshire County— Ware (town).	1			1			

SMALLPOX-Continued,

Miscellaneous State Reports.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Nebraska (Aug. 1-31): Deuel County	13		Wisconsin (Aug. 1-31); Barron County	7 3 2	
TotalVirginia (July 1-31):	14		Juneau CountyLa Crosse County Marathon County	2 5	
King William County— West Point	7		Milwaukee County Monroe County Rock County	24 1	
Mathews County Norfolk County Portsmouth	1 8		Sauk County Shawano County Wood County	1 5	
Southampton County— Boykins	2		Total	60	2
Total	24				-

City Reports for Week Ended Sept. 1, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Ohio. Butte, Mont. Chicago, Ill. Cleveland, Ohio Dayton, Ohio Denver, Colo. Detroit, Mich. Flint, Mich. Grand Rapids, Mich Indianapolis, Ind.	4 8 3 4 2 1 1 1 1 1 3		Milwaukee, Wis. Minneanolis, Minn. Nashville, Tenn. Oklahoma City, Okla. Omaha, Nebr. Pontiac, Mich. Rock Island, Ill. St. Louis, Mo. Salt Lake City, Utah Sloux City, Iowa.	1 1 3	
Kansas City, Kans Kansas City, Mo La Crosse, Wis	3 1		Terre Haute, Ind	i	

TETANUS.

City Reports for Week Ended Sept. 1, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baltimore, Md. Birmingham, Ala. Brockton, Mass. Chicago, Ill. Los Angeles, Cal.	1 1 3 3	1 1 1 3	Philadelphia, Pa. St. Louis, Mo. Springfield, Mass. Toledo, Ohio Trenton, N. J	2 1 1 1	2 1 1

TUBERCULOSIS.

See Diphtheria, measles, scarlet fever, and tuberculosis, page 1545.

TYPHOID FEVER.

Indiana-South Bend-Outbreak.

September 17 a report was received of the existence of an outbreak of typhoid fever at South Bend, Ind. Surgeon Cobb of the United States Public Health Service was immediately ordered to South Bend with the laboratory car, Wyman, and its complete personnel.

Surgeon Cobb reported September 19 that 88 cases of typhoid had been reported since September 1. The first group of cases was reported September 12. Of the cases 76 were reported during the 7 days September 13 to 19.

Kansas-Leavenworth County.

During the week ended September 15, 1917, 5 cases of typhoid fever were notified in Leavenworth County, Kens., making a total of 216 cases reported in the county, including the city of Leavenworth, since January 1, 1917.

Mississippi-Moselle.

During the period from September 2 to 13, 1917, 22 cases of typhoid fever were notified at Moselle, Jones County, Miss. Moselle has a population of about 250.

Tennessee-Chattanooga and Vicinity.

During July there were reported to the health department of Chattanooga 25 cases of typhoid fever, during August 71 cases, and during the first 7 days of September 2 cases. This number of cases in a city the size of Chattanooga constituted an unusual prevalence. The following conclusions are taken from the report of Surg. L. L. Lumsden, of the Public Health Service, who investigated the outbreak: That there was in Chattanooga in July and August of 1917 an unusually high prevalence of typhoid fever constituting not what should be regarded as a "severe epidemic" but which may be conveniently designated as an "acute outbreak"; that the outbreak began about July 15, and practically terminated by August 15: that from August 15 to September 7 the occurrence of typhoid fever in Chattanooga had not been in excess of the usual local rate for this period of the year; that in the period of the outbreak there developed in the city from locally spread infection about 75 cases in excess of the average number for corresponding periods of the last several years; that the period of causation of the outbreak was between June 25 and August 1, with its maximum between July 10 and July 20.

The outbreak of typhoid fever in Chattanooga in July and August of 1917 may have been contributed to by scattering cases caused by infection conveyed by various agents from various sources, but the vast majority of the cases constituting the excess or the outbreak proper were beyond reasonable doubt caused by infection distributed through ice cream, the principal ingredients of which were prepared and distributed from one of the dairy and ice-cream establishments in the city of Chattanooga.

In a densely settled section, geographically continuous with the city of Chattanooga but outside the incorporated limits of the city, known as "East Lake," typhoid fever was found to be highly prevalent. In a population of about 2,500, over 30 cases were known to have occurred in the months of July and August. According to the evidence obtained it appeared that the typhoid fever in East Lake had resulted largely from local insanitary conditions in respect to the disposal of human excreta. At most of the homes open insanitary privies were in use and at the remainder there were cesspools or poorly constructed and poorly operated "septic tanks." East Lake is on the road between Fort Oglethorpe and Chattanooga.

State Reports for August, 1917.

Place.	New cases reported.	Place.	New case reported
District of Columbia	68	Massachusetts-Continued.	
Maryland:		Hampshire County—	1
Allegany County	12	Enfield (town)	.[
Anne Arundel County	33	Northampton	1
		Middlesex County—	1
Baltimore (ounty		Cambridge	1
Calvert County		Everett	
Caroline County		Lowell	
Carroll County	13	Malden.	
Cecil county		Medford	
Charles County		Melroso.	
Dorchester (ounty			
Frederick County	14	Newton	
Garrett County	7		
Harford County	7	Tewksbury State Infirmary	
Howard County	6	Wakefield (town)	
Kent Jointy	5	Waltham	-
Montgomery (ounty	5 7	Watertown (town)	108
Prince Georges County	27	Weburn	
Queen Annes county	9	Norfolk County—	
St. Marys (ounty		Canton (town)	
Semerset (ounty		Quincy	
	7	Plymouth County—	1
Talbot county		Bridgewater (town)	1
Washington County		Brockton	
Wicomico county	37	Hanson (town)	
Wor ester County	18	Marshfield (town)	
Baltimore (ity	71	Suffolk County—	
Total	463	Boston	
	400		2
assachusetts:		Chelsea	
Berkshire County-		Revere	- 1
Pittsåeld	1	Winthrop (town)	
Bristel County—	1	Worcester County-	
Acushnet (town)	5	Gardner (town)	5
Dartmouth (town)	1	Northbridge (town)	1
Fall River	35	Royalston (town)	
New Bedford	16	Shrewsbury (town)	-
Taunton	2	Templeton (town)	
Essex County-	-	Worcester	1
- Andover (town)	1		
Gloucester	i	Total	24
Haverhill	3	Wisconsin:	
Inamich (town)		Brown County	
Ipswich (town)	1	Dodge County	
Lawrence	2 5	Eau Claire County	
Lynn	5	Fond du Lac County	
Methuen	3	Juneau County	
Rockport (town)		Milwaukee	
Salem	1	Ocento County	
Swampscott (town)	1	Oconto County	
Franklin County-		Pierce County	
Colrain (town)	2	Pols County	
Greenfield (town)	11	Portage County	
range (town)	i	Racine County	
	- 1	Rock County	
Chicopee	1	Winnebago County	
Springfield	4	Wood County	18
Westfield (town)	1		-
	1	Total	3

State Reports for June and July, 1917.

Place.	New cases reported.	Place.	New cas reported
California (June 1-30):		Virginia (July 1-31)—Continued.	
Alameda County	1	Chesterfield County	
Alameda	3	Culpeper County	
Berkeley	1	Culpeper	
Oakland	3 1 5 2 1 2 1 6	CulpeperDickenson County	
Contra Costa County	2	Clintwood. Elizabeth (ity County—	
Martinez. Fresno County.	1	Elizabeth (ity County-	1
Fresno County	2	Hampton	1
Fresno. Imperial County Brawley	1	Phoebus	
Imperial County	6	Essex County	
Calarian	1	Fauquier County Warrenton	
Calexico	1	Flord County	
Vern County	1	Floyd County	
Kern County. Bakersfield	2 2	Franklin County	
	-	Frederick County	
Susanville	1	Giles County	
Susanville. Los Angeles County.	i	Glougester county	
	i	Grayson County	
Los Augeles	5	Galax	
rasadena	1 5 2 1	Galax. Greensville County	
Monterey County	1	Emporia	
Monterey County	1	Halifax County	
Salinas	1	South Boston	
Orange County—		Hanover County	
Brea.	1	Henry County	
Placer County. Riverside County—	1	Highland County	
Blythe		Highland County	111
Occupant - Count	1	James City County. King and Queen County. King William County.	
Sacramento	6	King and Queen County	
San Diego County-	0	King William County	
San Diego.	1		
San Francisco	12	Lee County	
Sacramento county— Sacramento San Diego County— San Diego San Francisco San Joaquin County Stockton	1	Lee County	
Stockton		Lunenburg County	
San Luis Obispo County	1	Madison County	
San Luis Obispo County	17	Mathews County	
Santa Barbara	1	Macklenburg County	*
Santa Clara County—		Chase City	
Santa Clara County— San Jose Solano County Sonoma County Petaluma	1 1	Clarksville	
Sonoma County	1	Montgomery County	
	1	Montgomery County Blacksburg Nansemond County Suffolk	
Santa Rosa	3	Nansemond County	
Santa Rosa. Stanislaus County. Yolo County.	2	Suffolk	
Yolo County	2	Nelson County	
		Norfolk County	
Total	81	Portsmouth	
		Northampton County Northumberland County— Reedville	
rginia (July 1–31):		Northumberland County—	
Accoma? County	12	Reedville	
Accoma? County	9	Nottoway County— Blackstone	
Alexandria Country	3	Crewe	
Alleghany County	1	Orange County	
Alleghany County— Clifton Forge	3	Orange County	
Amelia County	7	Page County	
Amherst County	9	Patrick County	
Amherst	i	Stuart	
Amherst	- 5	Pittsylvania County	1
Augusta County	5	Powhatan County	
Rasia	1	Princess Anne County	
Bath County	1	Prince Edward County	
Bath County	9	Prince Edward County Prince George County Pulaski County	
Bedford	1	Pulaski County	
Bland County	2	DublinRappahannoek County	
Botetourt County	2	Rappahannock County	1
Troutville. Brunswick County	1	Richmond County	1
Bushanan County	2 1	Posmoke County	
Buchanan County Buckingham County Campbell County	1	Roanoke	
Compbell County	12	Salem	
Brookneal	12	Rockbridge County Buena Vista	
Lynchburg	44	Rockingham County	1
Caroline County	10	Elkton. McGaheysville	
Carroll County	9	McGahavevilla	

State Reports for June and July, 1917-Continued.

Place.	New cases reported.	Place.	New cases reported.
Virginia (July 1-31)—Continued. Russell County. Lebanon Scott County Shenandoah County Shyth County Marion Southampton County Boykins Franklin Spotsylvania County Fredericksburg Stafford County Surry County Dendron Sussex County Wakofield Waverly	12 4 2 8 3 6 12 3 3	Virginia (July 1-31)—Continued. Tazewell County. Graham Pocahontas Richland Warren County— Front Royal. Washington County Westmoreland County Wise County. Big Stone Gap Norton. Wythe County. Wytheville Total.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

City Reports for Week Ended Sept. 1, 1917.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Akron, Chio	4		Lima, Chie	1	
Alameda, Cal	2		I ittle Rock, Ark	2	1
Albany, N. Y			I ong Branch, N. J.	4	
Alton, Ill	1	1	I os Angeles, al	12	1
Ann Arbor, Mich	i		Lowell, Mass	2	1
Atlantic City, N. J			Lynchburg, Val	3	
Baltimore, Md		9	Lynn, Mass	i	
Bayonne, N. J.,			Manchester, N. H.	2	
Birmingham, Ala	32	9	Medford, Mass.	. ī	
			Melrose, Mass.	i	
Boston, Mass		101	Memphis, Tenn.	15	
Bridgeport, Conn				3	1 0
Buffalo, N. Y.	2		Minneapolis, Linn	14	
Cambridge, Mass			Nashville, Tem	3	1
Camden, N. J			Newark, N. J.	4	
Canton, Chio	3		New Bedford, Mass	3	********
Charleston, S. C	1		New British, Conn		
Chelsea, Mass	1		Ne v Castle, Pa	1	
Chicago, Ill	4		New Haven, Conn	.2	
Chicopee, Mass	1	********	Ne v Orleans, La	15	4
Cincinnati, Ohio	3	*********	New York, N. Y	70	6
Cleveland, Ohio	10	3	Niegara Falls, N. Y	9	1
Coffeyville, Kans	5		Norfolk, Va	6	
Columbus, Ohio	10		Oakland, Cal	2	1
Covington, Ky	4		Oklahoma City, Okla Pawtucket, R. I	5	1
Cumberland, Md.	1		Pawtucket, R. I	1	1
Davenport, Iowa	1		Perth Amboy, N. J	1	
Dayton, Ohio	3	1	Philade phia, Pa	25	2
Denver, Colo	- 1	1	Pittsburgh, Pa	10	2
Detroit, Mich	16	3	Pontiac, Mich	1	
Duluth, Minn	1		Portland, Oreg	3	
East thicago, Ind	3	1	Providence, L. I	9	3
Elizabeth, N. J.	3		Quincy, Ill	2.	
Evansville, Ind	1	1	Quincy, Mass	1	
Fall River, Mass	7	1	Leading, Pa	2	
Flint, Mich	3	2	Richmond, Va	1	1
Fort Wayne, Ind			Roanoke, Va	6	
Fort Worth, Tex	2		Rochester, N. Y	1	
Galveston, Tex	ĩ	2	Rockford, Ill	1	
Grand Rapids, Mich	5	ī	Rocky Mount, N. C	1	
Hamilton, Ohio	1		Sacramento, Cal	1	
Harrisburg, Pa	4		Saginaw, Mich	i	
Hartford, (onn	5		St. Joseph, Mo	8	
	1	1	St. Louis, Mo	20	2
Hoboken, N. J.	6		Salt Lake City, Utah	7	-
Indianapolis, Ind	6		Sandusky, Ohio	i	
Johnstown, Pa	1		San Francisco, Cal	3	
Kansas City, Kans	1		Savannah, Ga	2	1
Kansas City, Mo	4	2	South Bethlehem, Pa	î	
Knoxville, Tenn	9			1	
Lancaster, Pa Lexington, Ky	1	1	Springfield, Mass Springfield, Ohio	2	

City Reports for Week Ended Sept. 1, 1917-Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Syracuse, N. Y. Taunton, Muss. Toledo, Ohio. Topeka, Kans. Trenton, N. J. Troy, N. Y. Waltham, Mass. Washington, D. C.	2 1 16 3 2 1	1 1 1 1 1	Washington, Pa. Wichita, Kans. Wilkes-Barre, Pa. Wilmington, Del. Wilmington, N. C. 1Winston-Salem, N. C. 1Worcester, Mass. 1York, Pa.	2 4 1 2 2 13 5	

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

State Reports for August, 1917.

	C	ases reporte	ed.		Cases reported.			
State.	Diph- theria.	Measles.	Scarlet fever.	State.	Diph- theria.	Measles.	Scarlet fever.	
District of Columbia Maryland	9 69	34 154		Massachusetts Wisconsin	592 195	380 94	145 151	

State Reports for June and July, 1917.

During the month of June, 1917, 129 cases of diphtheria, 1,703 cases of measles, and 258 cases of scarlet fever were reported in California, and during the month of July, 1917, 40 cases of diphtheria, 511 cases of measles, and 26 cases of scarlet fever were reported in Virginia.

City Reports for Week Ended Sept. 1, 1917.

	Popula- tion as of July 1, 1916	deaths	Dipl	theria.	Me	asles.		erlet ver.		ber- nsis.
City.	(estimated by United States Census Bureau).		Cases.	Deaths.	Cases.	Deaths.	Cassa.	Deaths.	Cases.	Deaths.
Over 500,000 inhabitants:										
Baltimore, Md	589, 621	183	11	1	7	1		1	47	23
Boston, Mass	756, 476	217	58	1 7	17		28	i	77	37
Chicago, Ill	2, 497, 722	659	104	22	18	1	52	2	256	73
Cleveland, Ohio	674,073	O.Z	30	3	2		4	-	31	13
Detroit, Mich.	571, 784	241	50	11	3	1	21	1	54	19
Los Angeles, Cal New York, N. Y.	563, 812	110	2		3 2		5		43	19
New York, N. Y.	5,602,841	1,352	118	11	71	1	23		312	139
Philadelphia, Pa	1,709,518	481	30	2	5	1	4		114	55
Pittsburgh, Pa	579,090	167	22	1	3		5		36	10
St. Louis, Mo	757,309	154	34	4	1		15		60	12
From 300,000 to 500,000 inhab-	,									
itants:				1		1 1				
Buffalo, N. Y	468, 558		14	1	1	1	1		41	9
Cincinnati, Ohio	410, 476	106	8		1		1		. 21	11
Jersey City, N. J	396, 345	87	10	1	1		3		14	8
Jersey City, N. J. Milwaukee, Wis	436, 535	78 1	14	2	3		15	1	21	6
Minneapelis, Minn	363, 454	******	6		1		7			
Newark, N. J.	498, 894	102	5		11		4		50	15
New Orleans, La	371,747	143	80	1			2		26	21
San Francisco, Cal	463, 516	106	5	1	29		5		21	11
Washington, D. C	363,980	123	5		10		1		24	13

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended Sept. 1, 1917-Continued.

	Popula- tion as of July 1, 1916	Total	Diph	theria	Mea	asles.		arlet ver.		ıber- losis.
City.	(estimated by United States Census Bureau).	from all causes.	Cases.	Deaths.	Cases,	Deaths.	Cases.	Deaths.	Cases.	Deaths.
From 200,000 to 300,000 inhabitants:										
Columbus, Ohio	214,878	61	3				2		6	1
Columbus, Ohio Denver, Colo	260, 800 271, 708	53	3		4					
Indianapolis, Ind Kansas City, Mo	271,708		17		2		2		24	
Portland Oreg	295, 463	77 39	1		1		9		6	-
Portland, Oreg	297, 847 295, 463 254, 960	84	8							.1
Rochester, N. Y.	256, 417	72				1	13		1	
rom 100,000 to 200,000 inhab-				1	-					
Albany, N. Y	104, 199				. 1				10	1
Birmingham, Ala	104, 199 181, 762	79	6				1		7 8	1
Birmingham, Ala Bridgeport, Conn	121.579	33	7	1	2		3			
Cambridge, Mass	112, 981 106, 233 127, 224 128, 366	28	4						6	
Dayton Obio	127, 224	54	6		2		2		6	
Fall River, Mass.	128, 366~	45	5	1	2		ī		10	1
Fall River, Mass	125,366 104,562 128,291 110,900 100,560 113,245	16			1					
Grand Rapids, Mich	128, 291	28	4 5		1		2		. 8	1
Hartford, Conn	100, 560	41 37	1		2		1		9 5	
Lawrence, Mass	113, 245	37	7						4	
Lowell, Mass. Lynn, Mass.		30	6	1	1				2	
Memphis, Tenn Nashville, Tenn	148,995	49	. 6	1	2				10	1.00
Nashville, Tenn	117,057	33		1			1		3	1
New Bedford, Mass New Haven, Conn Oakland, Cal	148, 995 117, 057 118, 158 149, 685	31	6 2	1	8		1 2		7.	
Oakland, Cal	1 to 1 to 1 to 1	50	. 1		. 0		í		3	
Omaha, Nebr	165, 470 109, 381 156, 687 117, 399	48	3				1 2			100
Reading, Pa. Richmond, Va. Salt Lake City, Utah.	109,381	38	2						7	
Richmond, Va	117 309	· 41	4 2		. 2		1	i	3	
Springfield Mass	100, 942	30	6	····i	9		7		7	-
Springfield, Mass. Syracuse, N. Y. Tacoma, Wash.	155, 624 112, 770 191, 554 111, 593	32	8		7		1		5	
Tacoma, Wash	112,770						2			
	191,554	56	3 5	· · · · i	2		4		17	
Trenton, N. J. Worcester, Mass. om 50,000 to 100,000 inhab-	163, 314	38 55	1				4		5	
om 50,000 to 100,000 inhab-	100,011	00	•							
Akron, Ohio	85,625		13						2	
Atlantic City N I	63,505 57,660	14	*****			*****			9	
Bayonne, N. J.	69, 893	*******				*****			1	
Berkeley, Cal	57, 653	7							1	
Binghamton, N. Y	69, 893 57, 653 53, 973 67, 449	13	3		4		5			
Canton Ohio	60, 852	11 22		*****	4			*****	2	
Charleston, S. C.	60,734	20					2	*****	*****	
Covington, Ky	07,144	14	1				1		2	
Duluth, Minn.	94,495	15	7	1	2		6		* 4	
Elizabeth, N. J.	86,690 63,705	21 31	3		6		2		4	,
Evansville Ind	76,078	22					*****		1	,
Flint, Mich	54,772	25 11	4	2			3			
Fort Wayne, Ind	76,183 72,015	11							2	
Harrisburg, Pa	72,015	18	1		1				4	
Akron, Ohio Allentown, Pa Atlantic City, N. J. Bayonne, N. J. Bayonne, N. J. Berkeley, Cal. Binghamton, N. Y. Brockton, Mass. Canton, Ohio. Charleston, S. C. Covington, Ky. Duluth, Minn. Elizabeth, N. J. El Paso, Tex. Exansville, Ind. Flint, Mich. Fort Wayne, Ind. Harrisburg, Pa. Hoboken, N. J. Johnstown, Pa.	77, 214 68, 529	18 26	4 2	1	1				8	
Kansas City, Kans	99,437	20	3						î	
Kansas City, Kans Little Rock, Ark Manchester, N. H	57,343 78,283	14	1							
Manchester, N. H	78, 283	26							3	
Mobile, Ala	58, 221 53, 794	27 19	2				· · · · i		14	
New Britain, Conn Norfolk, Va	89,612	19							3	
Oklahoma City, Okla	89,612 . 92,943 71,744	15							1	
Oklahoma City, Okla Passaic, N. J. Pawtucket, R. I. Portland, Me.	71,744	16	5	1 .					2	
Fawtucket, R. I	59,411 63,867	17 23			7					

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended Sept. 1, 1917-Continued.

	Popula- tion as of July 1, 1916 (estimated	Total	1	theria.	Mes	asles.		rlet ver.		ber- losis.
City.	(estimated by United States Census Bureau).	deaths from all causes.		Deaths.	Cases.	Deaths.	Cases,	Deaths.	Casas.	Deaths.
rom 50.000 to 100,000 inhabit-										
ants-Continued.	** 10*									
Rockford, Ill	55, 185 66, 895	18 27						*****	2	1
Sacramento, Cal. Saginaw, Mich. St. Joseph, Mo. St. Joseph, Mo. San Diego, Cal. Savannah, Ga. Schenectady, N. Y. Sioux City, Iowa. Somerville, Mass. South Bend, Ind. Springfield, Ill. Springfield, Ohio. Terre Haute, Ind	55,642	19		*****	1		3	*****	3	1
St. Joseph, Mo	55, 642 85, 236 53, 330	30	1		î				1	
San Diego, Cal	53,330	20	1		4				4	1
Savannah, Ga	68,805	23	3						1	
Schenectady, N. Y	99,519	24			1	*****	1		2	
Sloux City, Iowa	57,078				*****		1		5	
South Band Ind	87,039 68,946 61,120	8		*****			2		5	
Springfield III	61 120	16	2	*****	*****	*****	1		2	
Springfield, Ohin	51,550	23 11		*****	*****	*****	*****	*****		***
Terre Haute, Ind.	66,083	21	1	*****				*****	-	
Trov. N. Y.	77,916				8	******	9	5		
Wichita, Kans	70,722		1				ī		1	
Wilkes-Barre, Pa	66,083 77,916 70,722 76,776	25	7		1		1		2	
Terre Haute, Ind. Troy, N. Y. Wichita, Kans. Wilkes-Barre, Pa. Wilmington, Del.	94, 200	37	1		1					
York, Paom 25,000 to 50,000 inhab-	51,656	******			1					
tants:										
Alameda Cal	97 729						1			
Auburn N V	37 385	11	i	*****	*****		*****		1 3	
Alameda, Cal	27, 732 37, 385 32, 730	3	1	*****			*****	*****	2	
Butler, Pa		7	i	*****			*****			***
Butler, Pa Butte, Mont	43, 425				2		1			
Chelsea, Mass	46, 192	8							2	
Chelsea, Mass. Chicopee, Mass. Cumberland, Md.	43, 425 46, 192 29, 319 28, 074	9	1						.0074	
Cumberland, Md	28,074	4	1							
Danville, III Dubuque, Iowa East Chicago, Ind East Orange, N. J. Elgin, III Everett, Mass Everett, Wash Gaiveston, Tex Green Bay, Wis. Hamilton, Ohio Haverhill, Mass Jackson, Mich		7								
Fast Chicago Ind	32, 261 39, 873 28, 743 42, 458 28, 203 39, 233		1							
Fast Orange N I	49 458	6 8		*****	*****		*****	*****		
Elgin III	28 203	3							2	
Everett. Mass	39, 233	8	5		*****		9		3	***
Everett, Wash	355, 4595	5					-			
Galveston, Tex	41,863 29,353 40,496	14								
Green Bay, Wis	29,353	9								
Hamilton, Ohio	40, 496	17							2	
Jackson, Mich.	48, 477	14	1		1				1	
Kalamazoo Mich	35, 363 48, 886	15	1		10		1		3	
Kingston, N. V	96,771	12	******		12		I i			****
Knoxville, Tenn	38,676		2				6		1	
La Crosse, Wis	26,771 38,676 31,677	7	4			*****	0		î	
Lexington, Ky	41.097	20	1		1					
Lima, Ohio	35,384	9	2				1			
Lincoln, Nebr	46,515 27,587 32,940	13	2	1 .			1		1	
Long Beach, Cal	27,587	5 7 1	1 .				2		3	
Madison Wis	30,699	7	2		*****		*****			
Medford Mass	26, 234	i		*****	*****		2 .			
Montelair, N. J.	26.318	4			*****				4	
Nashua, N. H	27, 327	17	1				*****			
Jackson, Mich. Kalamazoo, Mich. Kalamazoo, Mich. Kingston, N. Y. Knoxville, Tenn. La Crosse, Wis. Lexington, Ky. Lima, Ohio. Lincoln, Nebr. Long Beach, Cal. Lynchburg, Va. Madison, Wis. Medford, Mass. Montelair, N. J. Nashua, N. H. New Castle, Pa.	27, 327 29, 603 41, 133	14	1				****		2	
New Castle, Pa	41, 133						1			
Newport, Ky	31,927	9								
Newport, K. I	30, 108	14	4 .				1 .		*****	
Niggara Falls N V	43, 715 37, 353 31, 401 31, 404	7							1	
Norristown Pe	31, 401	20	1					*****	2	
Ogden, Utah	31,404	10	1		*****		*****			
Orange, N. J.	33,080	7	-1			*****	1		1	
Perth Amboy, N. J.	41, 185	7	2					*****	*****	
New Castle, Pa. Newport, Ky. Newport, R. I. Newton, Mass. Niagara Falis, N. Y. Norristown, Pa. Ogden, Utah. Orange, N. J. Perth Amboy, N. J. Pittsfield, Mass. Portsmouth, Va. Quiney, Iii.	38 620	6							1	
Portsmooth, Va	39,651 36,798 38,136	12					2			
Quiney, Iii		12								

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended Sept. 1, 1917-Continued.

	Popula- tion as of July 1, 1916	Total deaths	Diph	theria.	Mea	asles.		rlet er.		ber- osis.
City.	by United States Census Bureau).	from all causes.	all vi vi vi	Cases.	Deaths.					
From 25,000 to 50,000 inhabit-										
ants-Continued.										
Racine, Wis	46,486	11					1			
Roanoke, Va	43, 284	17	1							
Rock Island, Ill	28,926	9								
San Jose, Cal	38,902		1							
Steubenville, Ohio	27, 445	9								
Superior, Wis	45,226	12	1							
Taunton, Mass	36, 283	25							3	
Topeka, Kans	48,726	13					1			
Waltham, Mass	30,570	. 5								
Waltham, Mass Watertown, N. Y. West Hoboken, N. J.	29,894									
West Hoboken, N. J	43, 139	3	1		1				2	
Wheeling, W. Va	43,377	13	4	1					1	****
Williamsport, Pa	33,809		3	1						
Wilmington, N. C	29,892	12								
Winston-Salem, N. C	31, 155	17							4	
Zanesville, Ohio	30,863	9								- 5
rom 10,000 to 25,000 inhab-										
itants:							1			
Alton, Ill	22,874	12								
Ann Arbor, Mich	15,010	8	2				1			
Berlin, N. H	13,599	11								
Braddock, Pa	21,685		2		2				1	
Cairo, Ill	15,794	4								1 - 1-
Clinton, Mass	1 13,075	3							** .	
Concord, N. H	22,669	6	2							
Galesburg, Ill	24, 276	7	9						1	
Galesburg, Ill	23,539	8 .							2	
Kokomo, Ind Long Branch, N. J	20,930	6								0
Long Branch, N. J	15,385	3								
Marinette, Wis	1 14,610	2 1								
Melrose, Mass	17, 445	6	5		1				2 .	
Morristown, N. J	13,284	4 .								
Nanticoke, Pa	23, 126	9	4						1 .	
Newburyport, Mass	15, 243	5 .								
New London, Conn	20,985	8	1 !						1 .	
North Adams, Mass	1 22,019	8 .							3 .	
Northampton, Mass	19,926	7 7	1 .				1 .		1 .	
Plainfield, N. J.	23,805	7	1 .						1	
Pontiae, Mich	17,524				1 1		21.			
Pontiae, Mich. Portsmouth, N. H.	11,666		1 .				1 .			
Rocky Mount, N. C	12,067	5 .			!		! .		2 .	
Rutland, Vt	14,831	5 .								
Sandusky, Ohio. Saratoga Springs, N. Y	20, 193	11 .								
Saratoga Springs, N. Y	13,821	4								
South Bethlehem, Pa	24, 204	2							1 .	
Steelton, Pa	15,548	3 1	3						1 .	
Wilkinsburg, Pa	23, 228	6 .								
Woburn, Mass	15,969	5 .								

¹ Population Apr. 15, 1910: no estimate made.

FOREIGN.

CUBA.

Communicable Diseases-Habana.

Communicable diseases have been notified at Habana as follows:

Disease		11-20, 17.	Remain- ing under treat-	Disease	Aug.	Remain- ing under treat-	
Disease.	New cases.	Deaths.	ment Aug. 20, 1917.	Disease.	New cases.	Deaths.	ment
Diphtheria Cerebrospinal meningitis. Leprosy Malaria	3		5 2 10 35	Measles	9 1 1 28 1	7	11 7 1 68 1

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER. Reports Received During the Week Ended Sept. 21, 1917.

CHOLERA.

Place.	Date.	Case.	Deaths.	Remarks.	
				5.105	
Java:	July 9-15	1		39 5	
East Java	July 9-13	1	1	July 20-26, 1917; Cases.	50
west Java		*******		deaths, 31.	170
Batavia	July 20-26	3		3.3.1	
Philippine Islands:		1			
Provinces				July 22-28, 1917; Cases, 4	173
		1		deaths, 216.	
Agusan					
Albay	do	12	5		
Ambos Camarines.	do	11	3		
Bohol		19	19	1	
	do	17	12		
	do	80	59		
	do		_ 3		
	do		70		
Misamis		130	34		
Negros Oriental		42	24		
	do	1	1		
	do	27	13		
	do	3	3		
	*****		********	July 29-Aug. 4, 1917: Cases, 46 deaths, 276.	64
Albay		3	3		
Ambos Camarines.		9	8		
Bohol		35	26		
Capiz		3	1		
	do	37	28		
Iloilo	do	8	3		
Leyte	do	113	80		
Mindanao	do	12	11		
Misamis		151	62		
Negros Oriental		63	38		
Sorsogon		20	7		
Surigao		4	4		
Tayabas	do	6	5		

¹ From medical officers of the Public Health Service, American consuls, and other sources.

Reports Received During the Week Ended Sept. 21, 1917—Continued.

PLAGUE.

Place Date Cases Deaths Remarks	5:
Bahia	5:
Bahia	
Bangkok	
SMALLPOY	_
Smalli Va.	
Australia:	
New South Wales	, 7.
Cessnock July 25-28. 4	146
Brazil:	- 1
Bahia. July 29-Aug 4 2	
Canada:	
Manitoba-	
Winnipeg Sept. 19-25 4	
China: July 22-28. Present.	14
Amoy	
Chungking. July 15–21. Do.	
Mukden July 29-Aug. 11 Do.	
Shanghai	- 49
France:	
Nantes July 30-Aug. 5 1	
Greece: Athens	
lialy	
Italy: July 12-Aug. 5 8 2	
Java:	
East Java July 9-15 3	
Mid-Javado	
West Java July 20-26 19 4	
Mexico: Vera Cruz. Aug. 12-18. 1	
Philippine Islands:	
Manila July 29-Aug. 4 1	
Portuguese East Africa:	
Lourenço Marquez May 1-31 1	
Siam: Bangkok	
Do	
Spain:	
Valencia	
TYPHUS FEVER.	
China:	
Antung July 30-Aug. 12 2	
Aug. 6-12 3 1	
July 9-15 3	
Mid-Javado 1 1	
West Java	
Bataviado	
Netherlands: Rotterdam	
VIVI ON PRIVING	
YELLOW FEVER.	1.4

Mexico: Campcehe, State— Campeehe.... ARE YOU SAVING Your Money to Invest in the SECOND LIBERTY LOAN?

Aug. 19-25.....

Reports Received from June 30 to Sept. 14, 1917.

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bassein	Apr. 1-May 5		8	1
Bombay:	June 24-30	1	1	
Calcutta	Apr. 29-June 30		347	
Do	July 1-7		3	
Madras	Apr. 22-June 30		4	
Do	July 1-7	5	4	
Mandalay	May 6-June 30		2	
Moulmein	May 13-June 2	******	3 1	
Pakokku		*******	5	
Pegu Do	July 1-7	*******	7	
Rangoon.	Apr. 21-June 30	31	17	
ndo-China:	Apr. 21-sune ov			
Provinces				Feb. 1-Mar. 31, 1917: Cases, 61
Anam	Feb. 1-Mar. 31	6	1	deaths, 40.
Cambodia		9	7	
Cochin-China	do	44	32	
Tonkin		2		1
Saigon	Apr. 23-May 27	163	108	
ava:				
East Java	Apr. 2-8	1		
West Java		******	********	Apr. 13-July 5, 1917; Cases, 71; deaths, 31. July 6-19, 1917;
Batavia	Apr. 13-July 5	7	2	deaths, 31. July 6-19, 1917:
Do	July 6-19	3	1	Cases, 44; deaths, 20.
Persia: Mazanderan Province—				4-
Amir Kela	Feb. 3	1		1
Barfourouche	Jan. 15-17	4	*********	
Hamze Kela		i	********	. 20%
Machidessar	Jan. 31	3		
hilippine Islands:	***************************************			
Manila	June 17-23	1		
Provinces				May 20-June 30, 1917: Cases, 795;
Agusan	July 15-21	6	2	deaths, 506. July 1-21, 1917:
Albay	May 20-June 30	113	76	Cases, 1, 127, deaths, 749.
Do	July 1-21	38	22	
Ambos Camarines	June 3-9	2	1	
Bataan	July 8-14	1	********	
Batangas	June 17-23	1	1	
Bohol	May 20-June 30 July 1-21	368 149	251	
Capiz	June 3-30	62	116	
Do	July 1-21	44	32	
Cebu	June 3-30	231	150	
Do	July 1-21	271	197	
iloilo	July 1-21	27	16	
Levte	June 10-30	14	5	
Do	July 1-21	102	73	
Misamis	July 8-21	56	21	
Negros Oriental	July 1-21	171	115	
Rizal	June 24-30	1	********	
Do	July 1-7	1		
Samar	July 15-21	4	2	
Sorsogon	June 3-30	196	88	
70	July 1-21	169	94	
Tayabas	June 3-30	7	7	
Do	July 1-21	2	1	
Zamboanga	July 15-21	11	7	

PLAGUE.

Arabia: Aden	May 3-June 11		38	Apr. 8-May 14, 1917: Cases, 60; deaths, 51.
Brazil:				deaths, or.
	June 10-30	6	3	
Do.:	July 8-21	4	1	
Ceylon: .				
Colombo	Apr. 8-June 9	40	33	
	July 6-12		1	

Reports Received from June 30 to Sept. 14, 1917—Continued.

PLAGUE-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy	Apr. 29-May 5			Present and in vicinity.
Do	July 1-7	. 6	6	
Hongkong	May 13-June 30	20	13	
Kwangtung Province— Ta-pu district	June 2			Present.
Ecuador:				
Estancia Vieja	Feb. 1-28		29	
Guayaquil	do			
Do	Mar. 1-31	33	18	
Do	Apr. 1-30 Mar. 1-31	1		
Milagro	Apr. 1-30	i	1	
Nobol.	Feb. 1-28	2		1.0
Balitre		ī		4
Do	Mar. 1-31		1	
Taura	Feb. 1-28	, 3	2	
Egypt				Jan. 1-Aug. 2, 1917: Cases, 1,251
Egypt	June 21-27	6	4	deaths, 696.
Do	July 31	1		1
Port Said government Port Said	Apr. 30-May 19	4	3	
Port Said	June 25	1		
Do	July 28-29	1	1	
Provinces-	M 11 Y 00	1 11	7	
FayoumGalioubeh	May 11-June 26	14		
Galloubeh	June 28 May 17. May 12-June 28	1	1	
Girgeh	May 17		3	1
Minieh Do	Tale 20	i	0	
Siout		3	1	-
Suez government	Apr 30 June 2	23	. 9	
Sucz	Apr. 30-June 2 May 12-June 28	38	23	
reat Britain:	and it come sorre	1		
Gravesend	Aug. 13-24	3	1	From s. s. Matiana.
London	May 3-8			2 in hospital at port. From s. s Sardinia from Australian and oriental ports.
india				Apr. 15-June 30, 1917: Cases 43,922; deaths, 30,197. July 1- 7, 1917: Cases, 1,870; deaths
ndia	Apr 1-Tune 30		54	43.922; deaths, 30.197. July 1-
Bassein	Apr. 1-June 30 July 1-7		6	7. 1917: Cases, 1.870: deaths
Rombay	Apr 22-June 30	441	363	7, 1917: Cases, 1,870; deaths 1,322.
Bombay	Apr. 22-June 30 July 1-7 Apr. 29-June 2	36	25	-,
Calcutta	Apr 29-June 2		38	
Henzada	Apr. 1-June 30		35	
Karachi		468	413	
Do	June 28-July 4	3	2	
Madras Presidency Do	Apr. 22-June 30	301	250	
Do	July 1-7	70	58	
Mandalay	Apr. 8-May 12		9	
Moulmein	Apr. 1-June 30		74	
Do	July 1-7	******	16	
Myingyan Pegu	Apr. 1-7	******	1 2	
regu	May 27-June 2	109	169	
Rangoon	Apr. 15-June 30	46	42	
Toungoo.	July 1-7 Apr. 8-14	40	2	
ndo-China:	Apr. 6-14		-	
Provinces				Feb. 1-Mar. 31, 1917: Cases, 198
Anam	Feb. 1-Mar. 31	72	39	deaths, 141.
Cambodia	do	92	80	
Cochin-China	do	33	21	
Saigon	Apr. 23-June 3	47	26	
ava:	-			Apr. 2-May 20, 1917: Cases, 29
East Java				deaths, 29.
Djocjakarta Residency.	Apr. 23-May 6	1	1	deaths, 29.
Samarana Basidana	Apr. 22 May 20	1 3	1 3	
Surabaya Davidanas	Apr. 25-May 20	18	18	
East Java. Djoejakarta Residency. Kediri Residency. Samarang Residency. Surabaya Residency. Surabaya Residency. Peru. Deportments.	do	6	6	
Peru				May 16-31, 1917; Cases, 15.
Departments-				
Arequipa	May 16-31	4		At Mollendo.
Callao.	do	i		At Callao.
Lambayeque	do	2		At Chiclavo.
ArequipaCallaoLambayequeLibertad.	do	7		At Salaverry, San Pedro, and Trujillo.

Reports Received from June 30 to Sept. 14, 1917-Continued.

PLAGUE-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Siam: Bangkok Do Straits Settlements:	Apr. 22-June 2 July 3-23	12 4	11 3	-
Singapore	June 3-16 July 1-7	2	1	
Union of South Africa: Cape of Good Hope State— Glengrey district Terka district Queenstown Orange Free State	Aug. 13 May 28 June 6	1	1	Present. At Summerhill Farm. Apr. 16-22, 1917: 1 case. Apr. 9
Winburg district At sea: S. S. Matiana	May 28	9	6	22, 1917: Cases, 26; deaths, 17 En route for port of London.

SMALLPOX.

Australia: New South Wales Brewarrina. Apr. 27-June 21 Coonabarabran. Apr. 27-June 21 Apr. 27-June 30 From s. s. St. Albans from via Hongkong. Vess ceeded to Townsville bane, and Sydney, in time. Brazil: Bahia. Do. July 22-28 Apr. 27-June 30 Townsville bane, and Sydney, in time. Brazil: Bahia. Do. July 22-28 Apr. 27-June 30 Apr. 27-June 30 Townsville bane, and Sydney, in time.	m Kobe
Brewarrina	m Kob
Coonabarabran. May 25-July 5. 13	
Quambone	
Warren district	
Queensland— Thursday Island Quarantine Station.	
Queensland— Thursday Island Quarantine Station.	
Thursday Island Quarantine Station.	
Bahia. May 6-June 30. 4 Do. July 22-28. 1 Rio de Janeiro. .do. 126 31 bo. July 1- Aug. 4. 158 27 Canada: Winnipeg. June 10 16. 1	. Bris
Bahia. May 6-June 30. 4 Do. July 22-28. 1 Rio de Janeiro. .do. 126 31 bo. July 1- Aug. 4. 158 27 Canada: Winnipeg. June 10 16. 1	
Do. July 22-28. 1 Rio de Janeiro. do. 126 31 Po. July 1- Aug. 4 158 27 Canada: Manitoba— Winnipeg. June 10 16 1	
Rio de Janeiro	
Do	
Canada: Manitoha— Winnipeg. June 10 16	
Manitoba— Winnipeg June 10 16 1	
Winnipeg June 10 16 1	
Nova Scotia—	
Halifax June 18-July 7 3	
Port Hawkesbury June 17-30 Present in district.	6.
Ontario—	
Ottawa	
Cevion:	
Colombo	
China: Amov. Apr. 29-May 26. Present and in vicinity,	
Do	
Antung May 21–June 24 4	
Chungking May 6-June 23 Do.	
Do	
Changsha	
Dairen. May 13-June 30 30 4	
Do. July 8-28. 6 1 July 1-7, 1917: Present.	
Hankow June 24-30 2	
O-Chitago P-to- D-	
Hongkong May 6-June 16 8 7 Manchuria Station Apr. 23-29 1 Do.	
Do	
Shanghai	ong na-
tives.	
Do. July 2-29. 8 Among Chinese.	
Maltaban Diagton Language Factorn Rv	
Tsingtao	ailway,
1 case.	
Chosen (Korea):	
Chemulpo	
Ecuador:	
Guayaquil Feb. 1–28	
Do	
Do	

Reports Received from June 30 to Sept. 14, 1917—Continued. SMALLPOX—Continued.

Deaths Place. Date Cases Remarks. Egypt: Alexandria.... Apr. 30-July 1.... July 2-29. Feb. 12-Mar. 18... 941 Cairo.... May 6-12..... 1 Paris Mar. 18-Apr. 28, 1917: Cases, 715 in cities and 32 States and dis-Germany Mar. 18-Apr. 28...do..... 16 tricts. Bremen. .do..... Charlottenberg..... Hamburg..... .do..... 50 20 Leipzig..... Lübeck..... ...do...... 10 Munich .do..... Stuttgart..... India Apr. 22-June 30... July 1-7... Apr. 29-May 26... Apr. 22-July 4... Apr. 22-June 30... July 1-7... Apr. 15-June 30... July 1-7... Bombay 163 63 14 8 12 Calcutta. 8 27 80 11 4 5 Do..... Rangoon.... 33 Do..... Indo-China: Feb. 1-Mar. 31, 1917: Cases, 1,616; Provinces..... reb. 1-Mar. 31.... 788 63 deaths, 240.do..... 73 17 Mar. 1-31 Feo. 1-Mar. 31 Apr. 27-June 10 Cocnin-hina. Kwang-chow-Wan.... 654 158 63 Tonkin.... 199 Saigon.... Italy: Turin.... 32 May 21-June 24 . . 12 Japan: an: Kobe...... Nagasaki..... May 27-July 22.... May 28-June 3.... May 16-July 5..... May 27-July 1.... 65 16 177 55 Osaka.... Yokonama..... 1 Java Apr. 2-July 1.... July 2-8.... Apr. 1-July 1.... July 2-8.... 38 2 East Java..... Mid-Java.... 7 88 5 νο..... Apr. 13-July 5, 1917: Cases, 239; deaths, 44. July 6-19, 1917: Cases, 46; deaths, 10. West Java.... Apr. 13-July 5... 30 6 Batavia..... Mexico: Mazatlan. July 11-Aug. 7... 9 June 3–30..... Aug. 5–11.... June 18–24.... 162 Mexico ity..... 69 Do ... Monterey..... 24 2 July 1-Aug. 11 Vera ruz..... Philippine Islands: Manita.... May 13-June 9.... July 8-21..... 63 Varioloid. Do..... Portugal: Lisbon.... May 13-June 30 July 8-28..... 2 Lourenço Marques... Mar. 1-Apr. 30 ... Russia: May 1-June 28.... 56 495 4 Archangel..... Feb. 18-June 9.... Mar. 11-June 2... Mar. 15-21.... Petrograd..... 7 Jan. 1-Mar. 31, 1917: Cases, 9. Riga. 23 Vladivostok..... Siam: 6 June 9-23..... 3 Bangkok..... Spain: Madrid.... May 1-June 19... 12 Malaga..... Apr. 1-30.... May 1-June 30... Seville..... Valencia..... June 3-23...... July 1-Aug. 4... 5 10 Do...... Straits Settlements: 3 Mar. 18-June 23... June 24-30.... 6 Penang.....

Reports Received from June 30 to Sept. 14, 1917-Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Sweden:				
Malmo	Apr. 22-28 May 20-June 23	2	1	
Tunisia:				
Tunis Turkey in Asia:	June 2-8	2	********	
Trebizond	Feb. 25-Apr. 13		15	
Union of South Africa: Johannesburg	Mar. 12-24	- 4		
Uruguav:	War 1 21	2		
Montevideo Venezuela:	May 1-31	-	*******	
Maracaibo	June 18-July 8 July 9-23		8	

TYPHUS FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers	June 1-30	5	3	
Da	July 1-31,	1	1	
Austria-Hungary:			1	Oct 20 Dec 17 1016: Cases 9 271
AustriaBohemia	Oct 22 Dec 17	634	*********	Oct. 22-Dec. 17, 1916; Cases, 2,371
Galicia		809		
Lower Austria	do	47		-
Moravia	do	617		
Silesia		. 16		
Styria		243		
Upper Austria	do	5		
Hungary				Feb. 19-Mar. 25, 1917; Cases, 1,381
Budapest		83		
Brazil:				
Rio de Janeiro	July 29-Aug. 4	1		
'hina:				
Antung	June 25-July 1	3		
Do		4	1	
Hankow		1	1	
Do		1	1	
Tientsin		4		
Egypt:	may so-suly			
Alexandria	Apr. 30-July 1	1.648	478	
Do		220	84	
Cairo	Jan. 22-Mar. 18	96	40	
reat Britain:				
Cork	June 17-23	******	1	
reece:				
Saloniki,	May 13-June 30		32	
Do	July 1-14	******	10	
apan:				
Hakodate	July 22-28	1	********	
Nagasaki		4		
Do	July 9-Aug. 5	19	1	
ava:				May 6-July 1, 1917: Cases, 6.
East Java	June 25-July 1	1		may o-sury 1, 1811. Cases, o.
Mid-Java	June 25 July 1			Apr. 1-June 24, 1917; Cases, 38;
Samarang	May 5-June 10	14	2	deaths, 5.
Do		5		the second of
West Java	0113 2 0			Apr. 13-July 5, 1917: Cases, 147;
Batavia	Apr. 13-July 5	70	6	deaths, 6, July 6-19, 1917;
Do	July 6-19	18	1	Cases, 25: deaths, 1.
lexico:				
Mexico City	June 3-30	431		
Do	July 8-Aug. 11	524		
Setherlands:				
Rotterdam	June 9-23	3	2	
Do	July 15-30	3	********	
Norway:				
Bergen	July 8-14	6		

Reports Received from June 30 to Sept. 14, 1917—Continued.

TYPHUS FEVER-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Portuguese East Africa: Lourenço Marques	Mar. 1-31	1 11 126 2 5	2 3	Jan. 1-31, 1917: 1 case.
Spain: Almeria Madrid	May 1-31do		5 2	
Switzerland: Basel Do. Zurich	June 17-23 July 8-21 July 26-Aug. 1	1 3	i	
Trinidad Tunisia: Tunis	June 4-9	2	1	

YELLOW FEVER.

-	1		1	1
Leuador:				-
Babahoyo	Feb. 1-28	1	1	
Do	Mar. 1-31	2	1	
Chobo	do	1	1	
Guayaquil	Feb. 1-28	18	7	
• Do	Mar. 1-31	17	9	2
Do	Apr. 1-30	17	9	
Milagro	Feb. 1-28	1		
Ďo	Mar. 1-31	1		
Do	Apr. 1-30	1	1	
Mexico:				
Yucatan State-				
Merida	Sept. 1	1		
Peto	June 23	1	1	In person recently arrived from Mexico City.
Do	July 29-Aug. 11	6	2	Mexico City.